

RG 104, 8NS-104-94-077  
Box 2

8NS-104-94-077, Miscellaneous  
Correspondence & Memos, 1897-1994

John A. McIntyre, Foundations, Superstructure and Roof Covering, 4/18/98



P R O P O S A L S for the Foundations, Superstructure and Roof  
Covering of the U.S. Mint , at D E N V E R, COLO.

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TREASURY DEPARTMENT, Office, Supervising Architect, Washington,  
D.C. December 31, 1897. --SEALED PROPOSALS will be received at this office  
until 2 o'clock P.M. on the 28th day of January 1898, and opened imme-  
diately thereafter, for all the labor and materials required for the  
Foundations, Superstructure and Roof Covering of the U.S. Mint build-  
ing at DENVER, COLO., in accordance with the drawings and specifica-  
tion, copies of which may be had at this office or the office of the  
Superintendent at Denver, Colorado. The right is reserved to reject  
any or all bids and to waive any defect or informality in any bid,  
should it be deemed in the interest of the Government to do so. Pro-  
posals must be enclosed in envelopes, sealed and marked, "PROPOSAL  
for the Foundations, Superstructure, and roof covering of the U.S.  
Mint, at Denver, Colorado", and addressed to the Supervising Architect.

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N. B.

The regulations of the Department strictly prohibit the con-  
sideration of bids received after the time stated for opening in  
the advertisement. Bidders are, therefore, requested to allow ample  
time for the transmission of their bids by mail. Registered letters  
usually reach this office at least 24 hours behind the regular mail.

All proposals received after the time stated for opening will  
be returned to the bidders.

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## GENERAL INSTRUCTIONS AND INFORMATION.

### Treasury Department,

OFFICE OF THE SUPERVISING ARCHITECT.

*PROPOSALS for* the Foundations, Superstructure and Roof Covering  
of the  
U. S. Mint at DENVER, COLO.

*invited by public advertisement, dated* December 31, 1897

#### BLANK FORM.

Each bidder must obtain a blank form of proposal from the Office of the Supervising Architect and prepare and submit his proposal thereon. The original drawings named in the specifications will be retained in the Office of the Supervising Architect, and tracings or photographic copies of the same will be furnished bidders upon application therefor.

#### RETURN OF DRAWINGS.

Parties obtaining copies of drawings must return them within 12 days from the time of receipt.

#### COMPETENCY OF BIDDER.

Proposals from parties who are not known to be regularly and practically engaged in the class of work called for by the drawings and specifications, or who do not possess ample facilities for doing the same, will not be considered.

#### PRELIMINARY REQUIREMENTS.

Before submitting a proposal, each bidder must make a careful examination of the drawings and specifications, and fully inform himself as to the quality of materials and character of workmanship required, and make a careful examination of the place where the materials are to be delivered and the work performed, and make all necessary measurements.

#### QUALITY OF MATERIALS.

Unless otherwise specified, the materials furnished must be of the best quality, make, and device for the purpose required, and the bidder must make his estimates accordingly.

#### FORM OF PROPOSAL AND SIGNATURE.

Each bidder must state in his proposal, in writing and in figures (without interlineation, alteration, or erasure), the sum of money for which he will supply the materials and perform the work required by the drawings and specifications, and in the event he is willing to complete the work in a shorter period than the limit fixed by the specification (or if no limit be so fixed), the time for completion.

The proposal must be signed with the full name, address, and place of residence of the bidder; if the bidder be a copartnership, then in the copartnership name by a member of the firm, and the names and addresses in full of each member of the firm must be given; and if a corporation, by an officer in the corporate name, and the corporate seal must be attached to the signature.

#### FORFEITURE FOR DELAY.

Each bidder must understand that, should his proposal be accepted, he is to forfeit to the United States the sum of twenty dollars (\$20.), as liquidated damages, for each and every day's delay not caused by the Government that may occur beyond the time stipulated in his proposal for the supply of all the materials and the performance and completion of the work; subject, however, to the discretion of the Secretary of the Treasury; and that he is to be entitled to one day, in addition to said stipulated time, for each and every day's delay that may be caused by the Government.

#### ALTERATIONS AND ADDITIONS.

The Department reserves the right to make any additions to or omissions from the work or materials herein provided for; the valuation of such work and materials, if not agreed upon, to be determined on the basis of the contract unit of value of material and work referred to; or, in the absence of such unit of value, on prevailing market rates; which market rates, in case of dispute, are to be determined by the Supervising Architect, whose decision with reference thereto shall be binding upon both parties; and that no claim for damages, on account of such changes or for anticipated profits, shall be made or allowed.

#### CERTIFIED CHECK.

Each bidder must submit with his proposal a certified check, in a sum equal to 2 per cent of the amount of his proposal, drawn to the order of the Treasurer of the United States, and the proceeds of said check shall become the property of the United States, if, for any reason whatever, the bidder, after the opening of the bids, withdraws from the competition, or if he refuses to execute the contract and bond required in the event of the said contract being awarded to him.

The checks submitted by the unsuccessful bidders will be returned to them after the approval of the contract or bond to be executed by the successful bidder.

Bidders are hereby notified that the certified check required with their bid must be drawn to the order of the Treasurer of the United States; a check drawn to bidder's own order or to order of any other person than the Treasurer of the United States, although indorsed by the party to whose order it is drawn, and although certified or accepted by the bank on which it is so drawn, will not be accepted as a certified check such as is required under this invitation.

#### SAMPLES.

Where the work contemplated by the advertisement requires the use of stone, each bidder must submit with his proposal a sample of the stone which he offers to furnish; and in all other cases the successful bidder must promptly furnish samples, in duplicate, of such materials as may be designated by the Supervising Architect within the time required, and no material must be put in place until after the approval of such samples. No bids for construction of stonework will be considered unless the sample is furnished as required, and any delay on the part of the contractor in furnishing samples of material will be considered as a waiver of any claim for remission of penalties for delay in completion of contract. Each sample must be properly labeled with the title and location of the building, and the name of the contractor plainly marked thereon; and, if of stone, must bear the name and location of the quarry from which obtained; and, if of brick, show the place of manufacture. In case of failure to comply with these requirements, the Department shall have the right to reject the proposal of any bidder and forfeit his certified check.



## PROTECTION OF WORK AND MATERIALS.

All work and materials embraced in his contract shall remain at the risk of the contractor until the final completion and acceptance of the same; and the contractor must, at his expense, take out all necessary policies of insurance for his protection.

## FORM OF CONTRACT.

The contract which the bidder agrees to enter into shall be in the form adopted and in use in the Office of the Supervising Architect; blank forms of which can be inspected at said office, and will be furnished, upon request being made, to parties proposing to put in bids. Bidders are understood as agreeing to accept the terms and conditions contained in such form of contract, the right being reserved to the Treasury Department to add to, or modify, said form of contract at will.

## PARTIES IN INTEREST.

No officer of the Treasury Department, superintendent, inspector, clerk, employee, or other person in any manner connected with the Office of the Supervising Architect, shall be interested, either directly or indirectly, in the contract or work herein provided for, or be entitled to any benefit derived therefrom; and any violation of this understanding shall work a forfeiture of all moneys which may become due to the successful bidder.

## SUBCONTRACTORS.

No subcontractor or person furnishing material, or employed by the contractor, will be recognized, except as provided for by act of Congress approved August 13, 1894, which act requires that, before the commencement of the work, the contractor shall execute a penal bond, with good and sufficient surety, providing that he shall promptly make payments to all persons supplying him labor and materials in the prosecution of the work provided for in such contract.

## PAYMENTS.

Payments will be made monthly, as near as may be, on account of the work satisfactorily executed and in place in the building. Such payments will be based upon the estimated value of the quantity of such work as ascertained by the Supervising Architect by computation from the contract unit of value, less ten per cent of such estimate, which will be retained until the entire and satisfactory completion, final inspection, and acceptance of all the materials and work embraced in the contract, at which time final payment of the balance due will be made.

In case of payments for heating apparatus, monthly payments of eighty per cent will be so made, and an additional payment of ten per cent upon completion of a test of the heating apparatus at the contractor's expense. The final payment of ten per cent will be made after the heating apparatus shall have been operated for one heating season to the satisfaction of the Treasury Department.

## EIGHT-HOUR LAW.

The attention of bidders is called to the act of Congress, approved August 1, 1892, limiting the hours of daily service of laborers and mechanics employed upon public works of the United States to eight hours in any one calendar day.

## RIGHTS RESERVED.

The Treasury Department reserves the right to accept any part or parts of the proposal made at the prices included in same; also to waive any informalities in, and to reject any and all proposals, and to require the contractor to discontinue the services of any workman employed on the work who is unskillful or otherwise objectionable.

## TIME OF TRANSMISSION.

Proposals shall be transmitted in time to reach the Supervising Architect's Office before the hour set for opening bids. No proposal received after that time will be considered.

## INDORSEMENT.

Each proposal must be inclosed in an envelope, sealed, and indorsed as follows:  
"Proposal for the

Foundations, Superstructure, and Roof covering of the  
U.S. Mint, at DENVER, COLO."

From [Here insert name and address of bidder.]

and addressed to—

THE SUPERVISING ARCHITECT,  
TREASURY DEPARTMENT,  
WASHINGTON, D. C.



## .....S P E C I F I C A T I O N.....

## GENERALLY.

PROPOSALS must be made on the blank form hereto attached, for all the labor and materials required for the foundation, superstructure and roof covering of the U.S. Mint at DENVER, COLO., in strict accordance with drawings Nos., 1, 2, 3, 4, 4 1/2, 5, 5 1/2, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 31, 32, 33, 34, 35, 36, 37, 38, Miscellaneous drawing #126-A, this specification and such other drawings, models, and details as may be furnished for the proper execution of the work.

Each bidder must state the unit prices called for; said prices to be used in the computation of changes that may be required in the work.

Each bidder must also state the time in which he proposes to complete the work, which time must not be more than 18 months from the date the Secretary of the Treasury shall have approved the contract bond.

It will be an obligation of the contract that the work shall progress with a proper force of workmen and sufficient material, to the satisfaction of the Supervising Architect, to insure its completion on or before the time stipulated.

## WORK NOT INCLUDED.

The following described work, (except as hereinafter specified) will not be included in this contract.

The clearing of the site and the general excavation for the building proper; the brick foundation walls, stone coping, and steps beyond the North side of the platform at foot of main entrance steps on Colfax Avenue; the approaches; heating and elevator plants; iron ventilating hoods on roof; the stair framing and all interior finish; plumbing fixtures, and sanitary drainage above basement floor; all piping running to the sewer in the alley and the manhole on said run; concrete filling over floor arches; concreting of the basement floor; the steel vault in the basement; the domed ceiling of vestibule and the terra cotta arches of second floor immediately over same; the 6" terra cotta walls inclosing the locker room, and on East side of shower baths, (basement), and footings of same; the burglar-proof linings of the vaults "E-F-G-H-K-L" and the 6" terra cotta walls



enclosing same; suspended cast iron flues in attic; the dwarf walls and steps along the front of the boilers in basement; the underside of the roof framing and the columns in the attic will not be fire-proofed; carving of marble work where noted "Carved in place"; the forged iron grille work above basement; also any other work noted on the drawings as not included in this contract.

#### SURVEY AND TEST LEVELS.

The various elevations noted on the drawings are computed from the city datum, and the contractor must employ and pay for the services of a competent engineer or Surveyor, (not one of his own employes), to lay out the lines of the building, test all levels that may be required to properly construct the work, and forward certificate of the City Engineer of such tests to this office, through that of the Superintendent.

#### PRIVY.

The contractor must provide a suitable (privy box) for the use of his workmen. The soil boxes must be lined water tight with galvanized iron, and all kept in a sanitary condition.

#### EXCAVATION.

The general excavation of the building to the depth "Elevation 49.75" with sides sloping 2 (base) to 1 (height), has been made.

Contractor must clean out and fill the test pits, and do all trench and pit excavation required for the walls, column footings, piping, wells, manholes, &c., also for the outside coal vault, front steps, and window areas; bottom of excavations must be level and side of trenches and pits perpendicular where concrete is to be packed against same; the contractor must keep the excavations clear of all water that would interfere with the proper execution of the work on foundations, providing all shoring and sheet piling and pumps that may be necessary.

The general excavation in coal vault, boiler room and dynamo room must be made to the depth shown.

Should rock, boulders, old walls, or other impediments be found in making the excavations, the contractor must remove the same and do all drilling, blasting, pumping, &c., that may be required; removing from the premises all useless material.

Any piping that may be encountered in the excavating must be removed to the lot lines and cut, and the pipe remaining in the ground



to be securely plugged.

Should it be found necessary to excavate for any footing deeper than indicated on the drawings, allowance will be made therefor in accordance with the contract prices; the lengths of the columns are to remain as shown, and any additional depth required, will be made in the concrete footings.

Trenches must be dug to drain the general excavation into a temporary catch basin to be provided by the contractor, from which the water must be pumped or otherwise ejected, in an approved manner, into the street gutters.

After the piping shall have been laid, inspected and accepted, the trenches, &c., are to be back filled with approved earth, well rammed in layers to the required grades, and the street made good.

After the footings of the columns and the concrete encasing the columns shall have been inspected and approved by the Superintendent, the contractor is to back fill around same. All back filling about the foundations to be carefully done, with approved material, ramming in layers to the proper grades. The back filling about the basement and coal vault walls to be done in a like manner, after the walls have been cement plastered on the outer face to grade lines. The areas to be similarly filled and rammed ready to receive the concrete paving, which will be included in this contract. The back filling on South side of main building will be only to grade of the driveway.

All surplus earth, &c., from the excavations to be removed from the premises without unnecessary delay.

#### EXPLANATION OF DRAWINGS.

Alternate solid and broken lines on plans and sections of exterior walls indicate brickwork; solid lines on plans and sections of exterior walls and on footings indicate stone work; and solid lines on plans and sections of interior walls and casings of columns indicate terra cotta work. - Concrete sections are cross hatched.

Concrete footings to be the dimensions indicated on the several drawings. The concrete foundations of front entrance and approach steps, on Colfax Avenue, must be put in as shown on drawing No.

The steel foundation columns below the basement floor, to be



completely encased and filled with concrete and cement grouting; proper wood forms must be provided for the concrete casing and the forms removed before back filling. Foundations under dwarf walls, manholes, and the area floors, to be laid after the earth has thoroughly settled; the two brick wells in basement, however, must be put in place with the building foundations. Floors of cleanout manholes to be 8" thick and extend 4" outside of the walls. The area floors to have 8" thick layer of concrete, graded to the outlets, with 1" thick coat of equal parts coarse sand and Portland cement, troweled smooth and jointed to the cesspools. The haunches of the brick arches of first floor to be filled in with concrete leveled up to the crown of the arch.

The top of coal vault to be leveled up with concrete and finished with a 2" thick coat of mortar as specified for the area floors.

The floors and insides of the wells and manholes to be plastered with  $3/4$ " of one to one Portland cement mortar, troweled smooth.

The deck roof to be leveled and graded with concrete to the top of the nailing strips and have a skim coat of mortar; the book tile to be covered with Portland cement mortar as required.

Outside walls from the top of footings to the stone facing, must be plastered with  $3/4$ " thick coat of Portland cement mortar laid on from the outside, and not overhand, as the brickwork is laid.

The concrete used on the work to be composed of five parts, (by measure) of clean, hard stone, broken to a size to pass through a 2" diameter ring, two parts clean, sharp, coarse sand, and one part cement.

For the concrete filling over floor and deck roof arches and casing of columns and girders, four parts of screened <sup>washed</sup> gravel, to be used in lieu of five parts of broken stone.

The sand and cement to be mixed dry, water added to make a mortar of proper consistency, and the broken stone or gravel drenched with water and drained, and mixed therewith until each piece is thoroughly coated.

The concrete is to be mixed in batches, quickly laid in place and thoroughly tamped into a compact mass until free mortar appears on the surface. Concrete and cement work on roof to be as shown and hereinafter specified.



## C E M E N T .

All cement throughout to be the best quality of Portland cement, having a tensile strength of not less than 350 lbs. to the square inch, and of such fineness that 90% will pass through a # 100 standard sieve.

Samples of the cement proposed to be used for the work must be submitted by the contractor for test at the office of the Supervising Architect; and briquettes made of neat cement after exposure to the air for one day and immersion in water for six days must show the above specified tensile strength.

The cements for use in actual construction must be of uniform quality, equal to that of the samples, not damaged, satisfactory to the Supervising Architect, delivered on the site in the original packages, with the brand and maker's name, plainly printed or stenciled thereon; and the cement must be kept dry.

## MORTAR.

All mortar, (except where otherwise specified), to be composed of one part Portland cement and two parts clean, sharp sand.

## MODELS AND FULL SIZES.

The plaster models and the full size details for ornamental work will be supplied by the Government.

## .....S T O N E W O R K.....

All stone facing of walls of building to top of water table, including cheek blocks, steps and platforms at main entrance, copings, manhole capstones, facing of area wall, steps at basement entrance and to dynamo room to be red granite. Above top of water table, gray granite, with approved Colorado marble for sills, jambs, mullions, arches, etc., of windows, as noted.

Bidders are required to state on proposal sheet the total amount of bid if Colorado red sandstone is substituted for gray granite for superstructure,

## LOCATION OF QUARRIES.

The names and locations of the quarries from which it is proposed to obtain the granite must be stated in the proposal; and the quarries must be fully opened and capable of supplying the stone in sufficient quantities and at proper times.

The names and locations of three buildings in which the granite is used must also be given in the proposal.

The unexposed footings, bearing blocks, &c., must be approved, hard, durable granite;.

The stone throughout the entire work to be #1 selected stock, close grained, of even texture and free from all defects, in every way satisfactory to the Supervising Architect; and all stone of each class of exposed work to be of uniform color.

#### FOOTING STONES AND BEARING BLOCKS.

The footing stones of the foundation columns to be of the dimensions noted, each capstone must be a single stone, with bed and top surfaces axed to full even bearing; also properly drilled for the anchor bolts of columns.

The column footing stones below the capstone may be in two pieces each, the joint under centre of capstone, all worked to fair surface, set in full mortar beds, joints filled with mortar, and the beds must not exceed  $1\frac{1}{2}$ " nor the joints  $\frac{3}{4}$ "

The bearing blocks in walls to be of the dimensions noted on the framing plans and details, with the beds axed to full and even bearing and the sides axed true.

#### FINISH.

The face of all granite up to the <sup>top of the</sup> base course of superstructure, and above 2nd floor line, to be fine #6 cut work. The rusticated ashlar of 1st story, including voussoirs to be fine picked work to the joint line and to the margins; the margins and the jambs and soffits at openings to be fine #6 cut. The vertical joints in the 1st story ashlar not to exceed  $\frac{1}{8}$ " thick and the picked work must be dressed after setting, in order that the finished face may be uniform.

Should sandstone be used in lieu of gray granite for superstructure above water table, the exposed faces to be finished as specified for granite except that square drove work six bats to the inch must be employed in lieu of the fine #6 cut work.

Backs and undersides of steps, &c., to be rough pointed fair; back of stonework generally to be pitched off square with the bed, and all stone finished true where coming against iron or other work.

Marble work to have rubbed finish.

#### FACING, &c.

The facing of the entire building, areas, and coal vault, from at least 4" below grade, to be as shown, bedding alternately for bond with the brick backing.



Projecting courses generally must be weathered, and undercut for drip. Moulded and carved work must be cut in strict accordance with the full size details or models. The capstone of chimney to be in two pieces and pierced for flue openings as shown.

Chases to be cut in main walls for housing the ends of the stone work of dwarf walls. Stonework must be properly cut to receive iron work, brass goosenecks, anchors, &c., as required. Raglets  $3/8$ " wide, 1" deep to be cut for cap flashing.

#### STEPS, &c.

The steps and platforms at main entrance to the North side of the lower platform must be provided and set, also the steps at rear basement entrance and the steps from basement floor level down to dynamo room and coping of <sup>window</sup> areas and of coal vault.

The stone caps of the outside manhole on Colfax Avenue and the two wells in basement must have rebated holes for the cast iron covers.

#### MARBLE WORK.

The 1st story window sills, and the jambs, transoms and carved panels over the transoms of 1st story openings, (except the small rear windows), and the jambs, mullions, inner arches and panels in 2nd story windows, also the medallions over the small windows, to be Colorado marble, finished smooth rubbed work, for all plain and moulded surfaces.

#### BEDS AND JOINTS.

Beds and joints of all stonework must be fair, true, and out of wind, have equal bearing throughout, and be so worked that when set, the joints shall be uniform, and not exceed  $3/16$ " in thickness; all stone, (except as otherwise specified), to be cut to set on quarry bed. Sills, except slip sills, to be bedded at ends, only.

#### DOWELS, CRAMPS and ANCHORS.

The contractor to supply the required slate dowels, cramps and anchors, drill the stone and cut the sinkages for same; and to thoroughly embed them in mortar and properly build them in.

The stone facing must be cramped together with wrought iron cramps of  $1/2$ " X 1" bar and of the necessary lengths, with the ends turned up 1", and the anchors into backing to be  $1/4$ " X  $5/4$ " bar, turned down into the stone 1" and extending into brickwork not less than 8", with the end turned up 2" into backing; and the anchors to be used, generally in the courses having 9" bed, and as directed by the Superintendent, allowing not less than two anchors to each superficial yard of stone, <sup>facing</sup> Copings and projecting courses must be anchored as directed.

All wrought iron cramps and anchors to be dipped while hot into hot asphalt.

## STONE SETTING.

Granite (or sandstone) must be bedded and jointed in Portland cement mortar.

Marble work to be bedded and jointed and plastered on the back (where practicable) with mortar,  $1/3$  wood burned stone lime, slacked not less than 14 days before using and  $2/3$  clean, sharp sand,

All the exposed stonework to be set in strict accordance with the drawings, with open face joints ( $3/4$ " deep) for the final pointing, hereinafter specified.

## PATCHING.

No patching nor hiding of defects in the stonework will be permitted, and no lewis holes to show on exposed face of stonework.

## CLEANING AND POINTING.

Upon the completion of the walls of the building, areas, &c., all exterior exposed stonework must be washed down clean.

The exposed joints in the stonework to be raked out to a depth of  $3/4$ ", the loose mortar brushed out, the joints moistened with water, and packed solid and full with Portland cement and clean sharp sand, half and half, the mortar being properly colored to match the stone, and specially treated to render it impervious to moisture. Marble work to be similarly pointed with lime putty and marble dust.

Face joints to be finished slightly concave; tops of copings, steps, &c., to be pointed flush.

-----B R I C K W O R K-----

## COMMON BRICK.

In estimating quantities of brickwork, bidders will be guided by the following table of dimensions; and the contractor will be required to build the walls in accordance therewith.

8" walls to be 1	brick thick.
9" walls to be 1	brick thick.
13" walls to be 1	$1/2$ brick thick.

And all other walls proportionately.

All walls shown on plans and sections by alternate solid and broken lines except hollow brick linings are to be of common brick of the best quality, square and out of wind, sound, hard burned, firm in texture, of uniform dimensions, and free from limestone pebbles; no soft salmon or defective brick are to be used; and the brick to be laid in first class manner, with close joints, bonded throughout with headers every fifth course, thoroughly bedded and jointed in cement mortar, with the joints of each course flushed full of mortar thoroughly worked in with the trowel.

The inner face of outside walls above the basement to be lined with hollow brick properly bonded with the common brick work with hollow brick headers every fifth course.

The exterior walls of the basement from the basement floor line.



to within two courses of the granite water table, to be built with air space, one half brick in width, 1'6" back from outside face of wall, bonding across the air space as detailed.

The chases required for the dwarf walls are indicated on the basement plan and are to be laid off in accordance with the details, but the brickwork of the dwarf walls is not to be executed till the back filling shall have thoroughly set.

Wherever drain, water, sewer, gas and other piping is to pass through the exterior walls, pipe sleeves of cast iron, 2" larger in diameter than the pipe which is to be run through same and in lengths the full thickness of the walls through which the piping is to pass, are to be carefully built in the exact positions shown or required.

Chases to be built regularly and true, with selected fair brick with neatly troweled joints; and the backs of all chases must be plumb from bottom to top, without offsets.

The smoke flues 9" x 13" in the exterior walls must be plastered on the inside with Portland cement mortar. Flues in chimneys must be lined with terra cotta flue lining, close fitting, and jointed in Portland cement mortar. Terra cotta pipe thimbles must be built in the flues as directed. Openings must be left at bottom of flues, and loose mortar &c., cleaned out.

The galvanized iron flue linings, &c., to be carefully built in, keeping the linings above the brickwork, and, at all times, free from mortar, properly protecting the exposed ends with wooden boxes.

The attention of the contractor is particularly called to this portion of the work; and should any doubt arise as to the meaning of the drawings, in regard to dimensions or location of flues, chases &c., application must at once be made to the Superintendent for specific information.

Wherever they may be required, skewbacks must be formed in the walls for the construction of arches.

The arches over openings to be the full thickness of wall or depth of reveal.

Small openings in the interior face of exterior walls to have 8" flat arches, unless otherwise shown on details.

The brick floor arching of the first floor, noted on the framing plan, to be hollow brick, as noted. Special skewbacks, meeting under the beam flanges must be provided for the 1st floor brick arches.

The arching over coal vault is to be of common brick.

All arches to be built close jointed on substantial centres, which must not be eased nor struck until the mortar has set.

#### CENTRES:

The centres for the construction of the brick and terra cotta arching must be substantially built of wood and exactly set and keyed.

Outside manhole and wells in basement to be built as shown;



cleanout manholes to be 8" thick, of depth required by grade of pipes, and of sufficient size for convenient handling of cleanout tools.

The foundation walls for main entrance steps to be built only as far as to the front of the lower platform.

#### BUILDING OF BRICK WALLS:

The walls of the building to be built uniformly, one scaffold in height at a time; and all walls to be carried up to their full heights, as shown or required; all to be of proper dimensions, the courses of the brick work kept level, and true to lines, the faces of the walls plumb and out of wind, and all openings, offsets, &c., to be carefully laid off and built in the exact positions required.

The contractor is to level for, bed and properly set the stone and iron bearing plates; and to build in properly the steel and iron work of the floors, roof, &c., including anchors, tie-rods, cramps, &c., and the steel and iron work to be built in solidly.

Brick must be properly wet immediately before laying.

The exposed joints of the brick walls, where same are to be plastered are to be cut off rough for plaster key, the joints of the unplastered portions of the brickwork to be neatly trowel pointed.

#### PROTECTION DURING CONSTRUCTION.

All projections, angles, door and window sills, trimmings, the stone work of the entrance steps, &c., and all other work liable to be injured during the construction of the building to be properly protected with boxing and planks, which must remain the property of the Government; whenever leaving off work, the tops of the walls must be completely covered with boards.

If at any time during the progress of the work the walls be liable to damage from freezing weather, such protection as may, by the Superintendent be deemed necessary, must be provided by the contractor without extra expense to the Government.

#### TERRA COTTA WORK.

All interior walls, &c., indicated on the plans and sections with solid lines, are to be terra cotta laid in cement mortar.

The steel columns (except in attic) to be encased from bottom to top with terra cotta jacketing not less than 1 1/2" thick with ribs on inside to allow at least 1/2" air space, and all well clamped together with wrought iron clamps; the columns enclosed in the partition walls, throughout the building are to be properly encased in terra cotta.

The lower portion of all girders and the soffits of beams, &c., to be thoroughly fire-proofed with terra cotta, using special forms where necessary, and substantially securing the fire proofing in



place in the most satisfactory manner. Contractor must submit sketches showing his proposed method of fire proofing the girders for approval before executing the work.

Portion of 1st floor not having brick arches, all floors above the 1st floor, and the flat portions of the roof, to have porous terra cotta arches of depths noted.

Arches to be end construction, the soffit line 1" below the bottom flanges of the beams, angles and channels with skewbacks so arranged that the soffits of the steel framing will be completely covered; no joint to exceed  $3/16$ " thickness; cutting will be allowed only where absolutely necessary and approved by the Superintendent, and special patterns of arches must be made if required, to fit the work.

The terra cotta arches must be capable of sustaining 800 lbs. per sq. ft.; the load of 800 lbs. to be placed on any part of the arch, before concreting over same; the arches must be tested at the cost of the contractor, and all portions, that, in testing, may be found defective must be removed and new work substituted.

The terra cotta partitions in each story, unless otherwise especially noted on the drawings, to be built from the floor framing to the soffits of the beams above.

The hollow wall partitions to be built with 4" thick blocks each side of the center space tying together the walls with through blocks, spaced not more than 3' apart throughout the lengths and heights of the partitions. The partitions, at bottom and top, and at the jambs of all openings, to be built solid. The jambs of the vault openings to be built to conform to the steel linings and vestibules of the vaults.

Vent and heating flues, &c., to be constructed in the hollow partitions, where shown and of the various dimensions noted; and the flues to be lined with galvanized iron flue linings, as hereinafter specified, and to have the register openings as indicated and scheduled.

The solid wall partitions to be built with blocks 6" thick, except where other thicknesses are shown.

Door and window openings in terra cotta partitions to have  $3/8$ " thick rolled steel lintels of width the thickness of partitions and with solid bearing of 4" at each end. Wood nailing blocks must be solidly built in the jambs, 2'0" apart, and so secured that they cannot be displaced by driving nails therein; the terra cotta blocks at the jamb of the double partitions must be laid on the sides, to properly receive the wood blocks. The above described construction must be employed instead of the plank and channel iron frames shown on the drawings.

Wood blocks must be built in the partition 3'0" apart for securing the joinery work grounds; all well secured and anchored with wood tail blocks, spiked and built into the hollow spaces in the terra cotta. Partitions must be plumb and true, out of wind, and the dimensions and positions of same and the openings must be carefully verified.

All partitions to be substantially built and tied together, cramping and anchoring with approved iron straps, &c., anchoring to abutting work, and the blocks of solid partitions laid on the sides, not stood on end.



The slopes of the roof to be covered with book tile as noted, closely fitting, jointed in cement mortar and fastened down with the iron clips as noted.

All the terra cotta fireproofing, including book tiles and floor arches, must be porous terra cotta, best quality, moulded fair and true, thoroughly and evenly burned and free from large kiln cracks or other defects, and entirely satisfactory to the Superintendent and the Supervising Architect; and the terra cotta for the floor arches, partitions, column jacketing, &c., to be roughly scored before burning to afford a suitable key to receive the plastering.

The work must be bedded and jointed in cement mortar, the joints  $1/8"$  to  $3/8"$  thick, and in order to give the mortar proper slip, lime water may be used for mixing, but no undissolved lime putty or dry lime will be permitted; terra cotta must be set in full mortar beds and all properly wet before placing; metal clamps, anchors, and ties must be supplied as directed, of large size and of wrought iron, asphalted.

#### STEEL AND IRON WORK.

The contractor must furnish and put in place, complete, the interior foundation columns and all the steel and iron framing of the superstructure, including the roof and roof skylight complete, and all other steel and iron constructional work, shown on the drawings or called for in the specification.

The rolled shapes generally are to be of steel.

All the steel construction and framing to be in strict accordance with the drawings therefor, and details to be supplied. The contractor must provide shop drawings, in duplicate of the constructive steel work for the approval of the Supervising Architect, before executing any of the work.

The connections, generally, to be made with angles, &c., using bolts and rivets of the number and sizes indicated; and, where connections may not be detailed, first class workmanship will be required. In general, riveted work will be required; but where it may be found impossible to rivet, bolts may be used, drawing up tight all nuts and securing same by upsetting the threads with a chisel.

Wherever the expression "Similar" is noted on the drawings it must be taken in its general sense, and not necessarily as identical; and each column, girder, &c., must be worked out separately with due reference to the floor plans, and details, and the sizes and dimensions given in the schedules.

All the steel and iron work of the building to be accurately placed in position and well connected, substantially securing together and properly building in.

#### MARKINGS.

The various pieces of the steel construction must have proper distinguishing marks plainly painted thereon, near their ends.

#### SCUTTLES AND LADDERS.

The scuttles on the deck, to be provided with ladders from the attic floor to the scuttle curb, in strict accordance with the details. Ladder in large vent shaft to have  $3" \times 1\frac{1}{2}"$  sides and be



constructed as shown.

#### VAULT LININGS.

The first story vaults, "A"- "B"- "C"- "D"- so detailed on drawing #31, are to be lined with steel plates, and framed as shown.

The wall plates to be shod with angles for bearing on the upper flanges of the floor beams, to which they are to be securely bolted.

Except at the vestibule, there will be no floor plates.

Each steel lined vault will be framed with an entrance vestibule with sides, floor and head plates, connecting with the vault lining.

#### BASEMENT WINDOW GRILLES.

Basement window grilles to be smooth wrought iron, constructed in the best manner and in accordance with details to be supplied, and built into the granite jambs as indicated.

#### COAL VAULT COVERS.

Cast iron flanged rebated curbs to be built in the coal vault arches, extending from soffits of arch to surface of walk. The 2'0" diameter curbs to be fitted with cast iron covers, secured from the inside; the 2'6" diameter curbs to have approved vault lights set in iron frames cemented into the rebate of curbs. All metal 1" thick.

#### MANHOLE, &C., COVERS:

Outside manhole to have 1" thick perforated iron cover, and the two wells 1" thick solid iron covers fitted into the rebate in stone caps. Cleanout manholes to have cast iron rebated frames anchored in the walls, with cast iron covers having drop lifting rings and stiffening ribs, all 1 1/2" thick metal. All covers in basement diamond channeled and set at floor level.

#### QUALITY OF STEEL.

All steel must be open hearth, medium steel of American manufacture, having an ultimate strength in tension of from 60,000 to 68,000 pounds to the square inch; elastic limit, not less than one-half the ultimate strength in tension; minimum elongation, 24% in an 8" length; minimum reduction in area at fracture, 40%; and to bend, cold, through 180 degrees on a diameter equal to the thickness of the test piece, without showing a crack or flaw on the outside of the bent portion.

Any material rolled 2 1/2% light will be rejected.

Rivet steel to have a tensile strength of 54,000 to 58,000 pounds per square inch, and must be capable of being bent cold on itself and flattened without sign of fracture.

#### TEST PIECES.

The tensile strengths, limits of elasticity and ductility to be determined on standard test pieces, cut from the finished material and turned or planed parallel; each test piece to have not less than 1 1/2 square inch of sectional area, and the elongation to be measured on an original length of 8".

The contractor will be informed of the number of test pieces



required, and no material is to be shipped or riveted up until it shall have been inspected, tested and approved by the duly accredited agent of the Government.

#### QUALITY OF CAST IRON.

All castings to be of the best quality, tough, gray iron, free from injurious flaws or blow holes, true to pattern and of workman-like finish.

All holes in cast iron for bolts must be drilled.

#### WORKMANSHIP.

All workmanship to be first class in every respect.

Rivet holes must be laid off and punched so accurately that the holes will come exactly opposite, when the members shall have been brought into position for riveting.

Rivets must completely fill the holes and have full heads concentric with the rivet, and the rivet heads must have full bearing on the plates. All rivets must be driven with a machine capable of retaining pressure after upsetting the rivets. Hand driven rivets will only be permitted where a machine cannot be used.

All holes in material  $5/8$ " thick or less, may be punched full size, but holes in all material over  $5/8$ " thick must be punched  $1/8$ " small and reamed to full size; or the holes may be drilled.

The diameter of the punch shall not exceed the diameter of the rivet, nor the diameter of the die exceed that of the punch by more than  $1/16$ ".

Drift pins must only be used for bringing the pieces together, in assembling, and they must not be driven so hard as to distort the metal. When the holes need enlarging, it must be done by reaming.

Built members when same shall have been finished must be absolutely free from twists, open joints, or other defects.

Steel that has been partially heated, or bent cold, must be afterwards wholly annealed, except the ends of beams, &c., after heating for coping.

#### INSPECTION.

Ample facilities shall at all times be furnished the duly authorized agent of the Government, at the mill and at the shop, for the inspection of the material; and no work must be made up at the shop before the material therefor shall have been accepted at the mill; nor must the finished pieces, in any case, be painted or oiled before the workmanship shall have been accepted.

If it be deemed necessary to take samples from finished pieces or to test such pieces to destruction, the injured pieces will be paid for at cost, less the value of the metal as scrap, but, should the iron or steel, so tested, not withstand the required test, it will be considered as rejected, and no compensation therefor will be allowed.



## GALVANIZED IRON FLUE LININGS.

The ventilating and heating flues, shown on the drawings and located in the walls, to be lined with galvanized iron, in accordance with the details shown on miscellaneous drawing #126-A, and all joints to be strongly riveted and soldered.

Flues of 12" x 16" and smaller, to be constructed of #24 B.W.G. iron; and those of larger dimensions to be constructed of #22 B.W.G. iron.

The register openings to be the sizes given in the schedule on the miscellaneous drawing #126-A; and the flue linings at the register openings to be fitted with four 3" copper clips, riveted on, for securing the register faces in place.

The register faces are not included in this contract.

The brick and terra cotta work to be built close around the linings, keeping the latter above the masonry, while building in, and at all times free from mortar.

## CARPENTER WORK.

All wood for blocking, framing, centers, nailing strips, fillers, &c., must be best quality pine or spruce, sound, straight grained, thoroughly seasoned, and of dimensions required.

Wood centers, ~~rough frames~~ &c., are called for under brick work, terra cotta work, and skylight.

## NAILING STRIPS AND OUTLOOKERS.

The deck roof to have wood nailing strips of 1" thick stuff, 1" wide on top, 1 1/2" wide on bottom, bedded broader side down in the concrete filling, spaced not over 1'7" on centers. The deck cornice outlookers to be 2" thick stuff, cut to proper profile, spaced 1'0" on centers, and spiked to a 2" x 4" continuous strip bedded in cement mortar and bolted to the book tile with 1/2" diameter bolts every 1'6" with 2" washers on under side. Wood fillers must be provided and bolted to I beam lintels for joinery work grounds, as directed.

## FLAG STAFF.

The flag staff to be a selected, clear straight spar of pine or spruce, dressed to 10" at the butt, and tapering to 5" diameter at the top, and 38' 0" long; and, at the top, to be provided with a 14 oz. 10" diameter copper ball, gilded with XXXX gold leaf, and mounted on a 3/4" diameter aluminum bronze rod, with aluminum bronze tip. The truck and sheaves to be bushed with gun metal and sheaves to turn on gun metal shafts; staff to be flashed and collar flashed



with copper; halyards to be rove before erection of staff, and galvanized iron line cleats provided and fixed where directed. Workmanship on staff to be equal to best spar maker's work, smoothed with form planes, sandpapered, finished with two coats of linseed oil and two coats of the best quality white lead and linseed oil paint.

#### SLAT WALKS.

Roof walks two feet wide to be provided from the scuttles to the flagstaff, constructed of  $1\frac{3}{4}$ " x  $1\frac{3}{4}$ " slats dressed on all surfaces, spaced 1" apart, properly fastened together and provided with the necessary washers or blocks to protect the copper roofing and permit escape of water. Walks must be anchored to the scuttle curbs and skylight with iron rods or straps.

#### ROOF TILES.

Slopes of roof to be covered with best quality vitrified unglazed red Spanish roof tiles, laid in full beds of Portland cement mortar, in no case less than  $1\frac{1}{4}$ " thick, and each tile fastened down with # 14 copper wire run through both holes in tile and through the back tile and twisted tight on underside, the holes being cemented water-tight before laying the next tile. The starting tiles to have closed ends and project 2" over the gutter, and the barrel of last tiles under hip rolls and against deck cornice to die to a flat surface; the hip tile and corner finials must be specially secured, as directed.

#### COPPER WORK.

The covering of the deck roof, and the gutter linings of main roof to be 12 oz., hot rolled, untinned copper.

Cap flashings and face of deck cornice to be 14 oz. untinned cold rolled copper.

One inch wide 14 oz. copper tags, spaced 1'0" to be nailed to the wood strips on deck roof with two copper nails to each tag, and the roof covered with a layer of tarred roofing felt before laying the copper.

The roof to be covered with sheet copper 1'8" wide, laid lengthwise of the wood strips, all seams single locked, malleted flat, not less than  $1\frac{1}{2}$ " wide, and soldered water tight; the tags to be turned into the seams. The copper to be brought over the deck cornice, jointed to the copper cornice with double locked unsoldered seam malleted flat against the face of crown mould.

Copper to be turned up against scuttles and skylight curbs and properly cap flashed; scuttles to be covered with copper as shown; deck cornice to be fitted in place and have continuous apron extending 6" on the roof tiling. Details will be supplied



for cornice. Flashing of chimney and vent stacks must be let into the raglets wedged tight with lead and pointed with approved elastic cement. The main gutter to be graded with cement mortar and have continuous asphalted wood filler bolted to iron front as noted

Cold rolled copper clips 1" x 1/8" to be laid on the stone cornice 1'0" apart, bedded in cement, then two continuous strips of 14 ounce cold rolled untinned copper, of required width, laid over the clips, and the angle iron gutter front placed and bolted through to the stonework. The lower sheet of copper to be turned under the outer ends of the copper clips and the whole bent down over the edge of crown mould of stone cornice to form a drip. The second sheet of copper to be turned up against the angle iron and secured to the gutter lining with double locked unsoldered seam malleted flat; gutter outlets to be bell shaped, twice the area of the down pipe and protected with copper wire basket.

The copper lining is to be secured to the copper strip or gutter front, fitted to the form of the gutter, and extended under the roof tiles 8", upper edge turned down 3/8" in the cement, making water tight connection. Cross joints to be locked, 3/4" wide, malleted flat and soldered; no longitudinal seams to be in the gutter.

#### SKYLIGHT.

The roof skylight to be as shown on drawing # 35. The wood cap and sole pieces, and the wood fillers and louvre frames, to be bolted to the constructive steel work. All copper, except as otherwise noted, or called for, to be 16 oz., cold rolled untinned. Gutter lining to be 16 oz. hot rolled copper jointed as specified for main gutter, and jointed to the cornice at top of gutter front. Entire outside of skylight turret must be covered with copper, and the copper returned into the louvre openings; louvres to be well fastened in place. Down pipes to be enlarged at inlets.

Sash bars, gutters, caps, &c., to be as shown. Glass to be 3/8" thick, rolled plate, straight and true, bedded on a strip of felt on the copper condensation gutters and must be water tight without the use of putty or cement.

The screens to be # 13 wire, 1" mesh, properly secured to the channel frames.

#### COPPER NAILS.

Nails securing copper work to be copper, and capped with copper disc neatly soldered.

#### GUARANTEE.

The entire roof covering, including all tiling, copper work, skylight, and drainage therefor, to be guaranteed water tight for



a period of one year from the completion of the same, and any defects, manifested within that time, to be remedied by the contractor without additional cost to the Government.

#### DRAINAGE.

The building is to be provided with two systems of drainage, the soil pipe drainage into the sanitary sewer, and the rain water and waste pipe drainage system with the storm sewer.

Of the soil pipe drainage system, the horizontal drains, from the vertical elbows under basement floor to the city sewer on Colfax Avenue, are included in this contract; of the rain water and waste pipe drainage system, the complete drainage of the roof and the window areas outside the building are included; also all interior piping thereof shown on the basement plan, drawing #3.

#### CAST BRASS GOOSENECKS.

The goosenecks for the drainage of the roof gutters to be cast brass bends, 3/8" metal, extra heavy cast iron pipe sizes, moulded in accordance with the full size details, to be furnished the contractor.

The goosenecks to be jointed to the cast iron down spouts as hereinafter specified for the jointing of the cast iron piping.

The gutter linings to be connected with the goosenecks with heavy projecting copper ferrules, soldered into the brass bends in the most approved manner; and these ferrules are to be riveted and soldered to the bell shaped outlets of the gutter linings.

#### DRAIN PIPES.

The roof drain pipes from the cast brass goosenecks of the roof gutters to the wells and outside manhole on north side of building as indicated on the basement plan and detailed on the drawing #14, including the first length of piping beyond the running trap in manhole, and all traps, connections, &c., to be cast iron.

From the length of iron pipes outside of manholes to the city sewers in Colfax Avenue, best quality salt glazed, earthenware hub pipe, 4" and 12" diameter respectively, to be laid, the trench bed hollowed for hubs, joints made with cement mortar, each length cleaned out as laid, and each joint entirely covered and enclosed with a ring of concrete 6" thick and 12" wide. Proper connections must be made to the sewers. The earthenware pipe must be jointed to the iron pipe with asphalt. Proper protection must be provided in the street, lights maintained, the necessary permits obtained and paid for, and where required, the work must be performed in accordance with City regulations. A 12" x 4" Y must be put in the 12" pipe for future connection of drain from lot gutters; the opening to be properly plugged.



Running traps in the outside manhole to be provided as shown  
The large trap to be a back pressure trap of approved pattern.

The cleanouts on the runs of pipes to be of approved pattern with removable cover, gasket, &c., complete; those at ends of pipes to be eighth bends with short lengths of pipe jointed thereto, and having threaded brass ferrule with boss for wrench; all of same diameter as the pipe in which they are placed.

Three inch diameter cesspools with bell traps, to be set in window area floors at required level and connected to the drain pipes.

The drain pipe connections to the basement wells must be as shown, the pipes cemented in the walls water-tight.

The cast iron pipe to be the sizes noted and run as indicated, using all necessary Y's, bends, &c., and laying true to lines and proper grades; ending the soil pipe drainage with the vertical elbows below the basement floor, plugging all open ends, ready for future connection, and making complete the rain water drainage from roof and areas.

Each length of down pipe to be substantially secured in place with wrought iron pipe hooks of sufficient lengths; a hook being placed immediately below each hub and driven into the joint of the masonry; and, where the joints of the masonry may not come at the required points, holes are to be drilled and wood plugged to receive the hooks.

The lines of piping at the basement ceiling to be substantially hung from the steel frame work of the first floor, with approved pipe hangers; running the piping down to the basement floor at the points indicated on the basement plan. Piping must not be hung to terra cotta walls; wrought iron collars must be provided for vertical pipes and hung from constructive steel work. All pipe hooks, &c., must be heated and dipped into hot asphalt.

#### WEIGHT OF CAST IRON PIPE.

The cast iron pipe to be extra heavy hub and spigot pipe and including the hub must have not less than the following average weights per lineal foot:

3" diameter pipe to weigh 9 1/2 pounds per lineal foot.									
4"	"	"	"	"	13	"	"	"	"
5"	"	"	"	"	17	"	"	"	"
6"	"	"	"	"	20	"	"	"	"
8"	"	"	"	"	33	"	"	"	"
10"	"	"	"	"	45	"	"	"	"
12"	"	"	"	"	54	"	"	"	"

Fittings to be extra heavy.

The lengths of pipe to be straight, cylindrical and of even thickness of metal; the spigot ends with bead, also the hub ends, must be perfect in form so that proper joints can be made; and all fittings must be true and free from all defects.

All the cast iron piping and fittings, after being thoroughly dressed and cleaned and freed from all rust, must be coated inside and outside with asphalt, heated to the proper temperature, heating also the pipes, &c., that they may be dipped hot into the melted asphalt.

The jointing of the cast iron piping, &c., to be made with oakum and run with molten lead. The oakum to be of the best quality, firmly and tightly driven in with proper tools; and each joint, before running same with molten lead, must be wiped out dry; then run full with lead at one pouring; and the lead, after same shall have been calked in solid, must be flush with the face of the hub.

All lead for calking must be soft pig lead of the best quality and brand.

#### TESTING.

The cast iron drainage system and the soil pipes after all openings, as at Y's, &c., shall have been stopped, where necessary to form a column for water pressure, must be filled with water to the top of the down spout at the main roof gutters, and allowed to stand for three (3) hours; and all defects to be made good.

The terra cotta drains are to be separately tested, with a water pressure to the top of the fresh air inlet, and must be proven satisfactory by a six (6) hour test.

#### PAINTING.

The constructive steel and iron work and window grilles, after inspection and acceptance, by the Government, and before leaving the shop, are to be cleaned of scales, rust, &c., and given one coat of pure linseed oil. Where pieces are to be in contact, each surface to be also given one coat of pure linseed oil and the best quality of red lead, (one pound of oil to two and three-quarter pounds of red lead), before assembling. After erection, the entire steel and iron construction, except that below the basement floor level, to be painted two coats of red lead and linseed oil paint, (one pound of oil to four pounds of red lead and two ounces of Japan drier). Parts inaccessible after erection to receive the paint before erection.

The iron and steel work below the basement floor level to be cleaned and coated on all surfaces with hot asphalt and before placing the concrete around same, to receive an additional coat.



Planed and turned surfaces, drilled holes, &c., to have a coat of white lead and tallow immediately after being tooled.

Iron ladders, cast iron frames and covers of manholes, wells and coal vaults, to have a coat of hot asphalt.

Slat walk on roof to receive three coats pure lead and linseed oil paint.

#### SAMPLES.

The contractor must furnish for the approval of the Supervising Architect, samples in duplicate of all materials, properly labeled, and forwarded to this office, charges prepaid.

#### TEMPORARY CLOSING OF OPENINGS.

All openings in outside walls must be temporarily boarded up, with boards either matched or battened and fitted close to the masonry.

In the outside doorways, suitable doors must be provided, substantially hung and provided with padlock and two keys, delivered to the Superintendent.

One-half of the window openings must be fitted with glazed sash at least 2'0" square, all supplied and placed where directed.

The boarding, &c., must be done when required by the Superintendent, and must all remain the property of the Government.

#### SCAFFOLDING.

All scaffolding, derricks, &c., necessary for the proper execution of the work, which must be safe and suitable for the purpose to be supplied by the contractor.

#### DAMAGE AND CLEANING UP.

The contractor will be held responsible for and be required to make good at his own expense, any and all damage caused in the execution of his contract, and upon completion of his work, clean up in and around the building, and remove from the premises and adjacent streets all rubbish and debris resulting from the execution of his contract.

#### CHARACTER OF WORK.

The entire work to be first class in every particular, executed by skilled workmen, and completed to the entire satisfaction of the Superintendent and the Supervising Architect.

James Knox Taylor,

Supervising Architect.

P R O P O S A L FOR THE FOUNDATION, SUPERSTRUCTURE AND ROOF COVER-  
ING OF THE U.S. MINT BUILDING AT D E N V E R , COLO.  
C. (COPY)

-----January 22d,-----1898.

To the,  
Supervising Architect,  
Treasury Department,  
Washington, D.C.

Sir:-

---I---hereby propose to furnish all labor and material requir-  
ed for the foundation, superstructure, and roof covering of the U.S.  
Mint building, DENVER, COLO., in strict accordance with drawings, Nos  
1, 2, 3, 4, 4 1/2, 5, 5 1/2, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 31, 32,  
33, 34, 35, 36, 37, 38, miscellaneous drawing # 126-A, this specifica-  
tion and such other drawings, models, and details as may be furnished  
for the sum of:--

Two hundred forty-seven thousand eight

-----hundred seventy-four dollars 09/100-----(\$ 247,874.09)

Name and Location of Red Granite Quarry-

-----Plat Canon, Colorado.-----

Names of buildings in which the granite has been used:-

1 -----Mausanic Temple, Denver Colo.-----

2 -----Equitable Building " "-----

3 -----California Building " "-----

Name and Location of Gray Granite Quarry-

-----J.A. McIntyre, Freemont County, Colorado.-----

Names of buildings in which the granite has been used:-

1 -----Colorado State Cap-----

2 -----No. 1611 Tremont St. Denver, Colorado.-----

3 -----Hotel Pueblo-----

Name and Location of the Marble Quarry,

-----Salida, Colorado.-----

TOTAL amount of bid, using red sandstone for  
superstructure, in lieu of gray granite:--

Two hundred, Two thousand eight hundred

-----seventy-two dollars-----(\$ 202,872.00)

Name and Location of Sandstone Quarry:--

-----Ft. Collins, Colorado.-----



Names of buildings in which Sandstone has been used:-

1 Ft. Collins School Building

2 -----

3 -----

PRICE per cu.yd. for additional trench  
excavation, including shoring, pumping &c.--

One dollar-----(\$ 1.00 )

PRICE per cu.yd. for additional column pit excavation  
including shoring, pumping &c.--

One dollar-----(\$ 1.00 )

PRICE per cu.yd. for concrete footings:--

Nine dollars-----(\$ 9.00 )

PRICE per cu.ft. for plain granite facing of  
superstructure in place:--

Two dollars 70/100-----(\$ 2.70 )

PRICE per cu.ft. for plain sandstone facing of  
superstructure in place:--

Two dollars 30/100-----(\$ 2.30 )

PRICE per M for common brick work in place:--

Fourteen dollars-----(\$ 14.00 )

PRICE per sq.ft. for the brick floor arches (double)  
in place, with concrete filling:--

Twenty cents-----(\$ 0.20 )

PRICE per sq.ft. for terra cotta floor arches in place:--

Twenty-five cents-----(\$ 0.25 )

PRICE per sq.ft. for terra cotta book tile in place,  
on roof, with cement coating over same:--

Fifteen cents-----(\$ 0.15 )

PRICE per sq.ft. for 6" thick terra cotta partitions  
in place:--

Fifteen cents-----(\$ 0.15 )

PRICE per sq.ft. for double terra cotta partitions  
in place:--

----- Forty cents ----- (\$ 0.40 )

PRICE per sq. for Spanish roofing tile in place:--

----- Twenty-two cents ----- (\$ 0.22 )

PRICE per lb. for steel beams, column plate girders, &c.--  
in place:--

----- Three cents ----- (\$ 0.03 )

NAME or Brand -of Portland cement:--

----- Utah Portland Cement -----

Time to complete ----- Fifteen months (15) -----

John A. McIntyre

Signature -----

Address ----- #1305 South 8th St. Denver, Colorado. -----

NAMES of Individual Members of Firm:--

-----

-----

Name of Corporation

Name of Secretary,

-----

Name of President

Under what law corporation  
is organized

-----



C. (COPY)  
Enclosure.

J.C.P. G. W.F.F.  
B.

TREASURY DEPARTMENT,  
OFFICE OF THE SECRETARY,  
Washington, D.C., March 29, 1898.

Mr. John A. McIntyre,  
1305 South 8th Street,  
Denver, Colorado.

Sir:

In accordance with the approval of this department, your proposal, dated January 22, 1898, received under advertisement dated December 31, 1897 and opened January 28, 1898, to furnish all the labor and material required for the foundation, superstructure and roof covering, of the U.S. Mint Building at Denver, Colorado, in strict accordance with drawings numbers 1, 2, 3, 4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 31, 32, 33, 34, 35, 36, 37, 38, miscellaneous drawing number 126-A, the specification, and such other drawings, models and details as may be furnished, for the sum of two hundred and forty-seven thousand eight hundred and seventy-four dollars and nine cents (\$247,874.09) is hereby accepted, it being understood that Flat Canon Colorado red granite, and J.A. McIntyre Fremont County Colorado gray granite shall be used in the work, in accordance with the samples submitted by you and on file in the office of the Supervising Architect.

I transmit herewith, under another cover, one set of the drawings and specification for the work, for the use of your workmen.

Please forward to the Supervising Architect duplicate samples of the granites above named, and, also, samples in duplicate of all the materials you propose to use in the work.

It is understood and agreed that the entire work must be completed within fifteen (15) months from the date of the approval of your formal bond by the Secretary of the Treasury, and you are requested to communicate with Mr. Lee Ullery, the superintendent of construction of the building named, and arrange for the commencement and prosecution of the work immediately upon the approval of your bond, of which you will be duly advised.

It is understood and agreed that you are required to execute a formal contract, with bond in the sum of one hundred and twenty-four thousand dollars (\$124,000.00), as a guarantee for the faithful performance of the work embraced in your proposal, a form for which will be sent you for execution, and return to this Department for examination, approval and file; and it is understood and agreed, also, that the said contract, with bond, must be executed and returned within five (5) days from the date of the receipt by you of the said form.

The certified check, which accompanied your proposal, will be retained until the approval of your bond by the Secretary of the Treasury.

Please promptly acknowledge the receipt of this letter, a copy of which has been forwarded to the superintendent of construction of the building named, for his guidance.

Respectfully, yours,

J.C.P.

O. L. SPAULDING,

S.

Assistant Secretary.

J.S.E.

L. G.E.H. J.K.T.



FORM OF AFFIDAVIT, ACKNOWLEDGMENT, AND JUSTIFICATION BY GUARANTEE OR SURETY COMPANY.

~~INTERNAL-REVENUE SERVICE.~~

~~(This form of qualification is to be used in connection with the execution of all bonds taken by collectors when the surety thereon is a guarantee or surety company, and this blank Form 400 will be annexed to the bond unless a similar form of qualification is printed on the bond.)~~

STATE OF MARYLAND, }  
CITY OF BALTIMORE. } ss.

On this 18th day of April, one thousand eight hundred and ninety eight, before me personally came ~~JOHN R. BLAND~~ **EDW. J. PERMINIAN**, known to me to be the **2nd Vice** President of The United States Fidelity and Guaranty Company, the corporation described in and which executed the annexed bond of ~~-----John A. McIntyre-----~~ as surety thereon, and who, being by me duly sworn, deposes and says that he resides in the City of Baltimore, State of Maryland, that he is the **2nd Vice** President of said The United States Fidelity and Guaranty Company, and knows the corporate seal thereof; that said company is duly and legally incorporated under the laws of the State of Maryland; that said company has complied with the provisions of the act of Congress of August 13, 1894, allowing certain corporations to be accepted as surety on bonds; that the seal affixed to the annexed bond (Form ~~-----~~) of ~~-----John A. McIntyre-----~~ is the corporate seal of said The United States Fidelity and Guaranty Company, and was thereto affixed by order and authority of the Board of Directors of said company; and that he signed his name thereto by like order and authority as **Arthur C. Pierce** **2nd Vice** President of said company; and that he is acquainted with ~~Alexander Payson Knapp~~ **Ass't** **Arthur C. Pierce** knows him to be the Secretary of said company; and that the signature of said ~~Alexander Payson Knapp~~ **Arthur C. Pierce** subscribed to said bond is in the genuine handwriting of said ~~Alexander Payson Knapp~~ and was thereto subscribed by order and authority of said Board of Directors, and in the presence of said deponent; and that the assets of said company, unincumbered and liable to execution, exceed its claims, debts and liabilities, of every nature whatsoever, by more than the sum of Nine Hundred Thousand Dollars (\$900,000).



*Edw J Perminian*  
(Deponent's Signature.) **2nd Vice-Pres.**

Sworn to, acknowledged before me, and subscribed in my presence

this 18th day of April, 1898:

*Edward B Ambler*  
(Officer's signature, description and seal.)  
*Notary Public*



STATEMENT  
OF  
The United States Fidelity and Guaranty Company.

Commenced Business, August 31, 1896.

Rendered to the Department of Justice, Washington, D. C.,  
April 1st, A. D. 1898.

At the close of business March 31st, 1898.

ASSETS.

Investments, Stocks and Bonds, (cost value),	\$669,850 85
Collateral Loans,	190,175 00
Real Estate,	33,390 91
Loans Secured by Mortgage,	20,000 93
Cash on Hand and in Bank,	157,241 57
Due for Premiums,	58,403 98
Bills Receivable,	18,318 47
Furniture and Fixtures,	9,777 60
	\$1,157,159 31

LIABILITIES.

Capital paid in Cash,	\$1,000,000 00
Cash on Deposit, held as security for risks,	26,313 23
Surplus Fund,	74,000 00
Reserve Fund,	32,531 57
Income from Premiums and Interest,	
Less Expenses and Losses,	24,314 51
	\$1,157,159 31

GEO. R. CALLIS,  
*Secretary.*

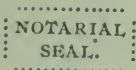
JOHN R. BLAND,  
*President.*

STATE OF MARYLAND, }  
CITY OF BALTIMORE, } ss.

On this 7th day of April, A. D. 1898, personally appeared John R. Bland and George R. Callis, to me personally known to be the President and Secretary respectively, of THE UNITED STATES FIDELITY AND GUARANTY COMPANY, who being by me duly sworn, did depose and say that they are such officers of THE UNITED STATES FIDELITY AND GUARANTY COMPANY, and that the foregoing financial statement of said The United States Fidelity and Guaranty Company, subscribed by them as such officers, is a true and correct statement taken from the books of the said Company.

Subscribed and sworn to before me this 7th day of April, A. D. 1898.

EDWARD B. AMBLER,  
*Notary Public.*



Department of Justice,

Washington, D. C.,

March 8, 1897. 189

*The annexed is a true copy of an original  
authorization to do business, issued by  
the Attorney General under the Act of  
Congress approved August 13, 1894.*

*Witness my hand and the seal of the  
Department.*

*David D. Caldwell*

*Acting* Chief Clerk.



~~Whereas~~, THE UNITED STATES FIDELITY AND GUARANTY COMPANY, a corporation duly incorporated under the laws of the State of Maryland, has deposited with me its charter or articles of incorporation and the statement required by Section 3 of an Act of Congress approved August 13, 1894, and entitled "An Act Relative to recognizances, stipulations, bonds, and undertakings, and to allow certain corporations to be accepted as surety thereon"; and has satisfied me that it has authority under its charter to do the business provided for in said Act, that it has a paid up capital of not less than \$250,000.00 in cash or its equivalent, and that it is able to keep and perform its contracts;

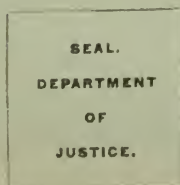
Now, Therefore, The said UNITED STATES FIDELITY AND GUARANTY COMPANY is hereby granted authority to do business under said Act in said State of Maryland and is also granted authority to do business under said Act beyond the limits of said State in any Judicial District of the United States in which it shall first have appointed an agent conformably to the provisions of Section 2 of said Act.

HOLMES CONRAD,

Acting Attorney-General.

DEPARTMENT OF JUSTICE,

WASHINGTON, D. C., September 25, 1896.



JOHN A. MC INTYRE.  
Denver, Colo.

Contract for foundations, superstructure and  
roof covering.

Signed: April 11, 1898

Contract Worth: \$ 247,874.00

15 months to complete. Penalty for each day's  
delay - \$20.00



# CONTRACT

2 BETWEEN THE

3 UNITED STATES OF AMERICA

4 AND

5 *John A. Mc Intyre,*  
6 *Denver, Colorado.*

7  
8 Whereas, By advertisement duly made and published according to law, proposals were asked for *furnishing all of*  
9 *the labor and materials required for the work herein provided for,*

10  
11 ; and

12 Whereas, the proposal of *John A. Mc Intyre,*  
13 , furnished in response thereto,  
14 was duly accepted on the *twenty-ninth* day of *March*, 189*8*, on condition that *he*  
15 execute a contract in accordance with the terms of *his* bid,

16 Now, therefore, this agreement, made and entered into by and between *L. J. Cago-*  
17 , Secretary of the Treasury, for and in behalf of the United States of America, of the first part, and  
18 *John A. Mc Intyre, of the city of Denver, county of Arapahoe, and State of Colorado.*  
19  
20 of the second part,

21 Witnesseth: That the party of the second part for the consideration hereinafter mentioned, covenants and agrees to and  
22 with the party of the first part to furnish all of the labor and materials and do and perform all the work required *for the foundation*  
23 *superstructure and roof covering of the Mint building in the city of Denver, County of Arapahoe,*  
24 *and State of Colorado, using in said work State Cañon Colorado red granite and J. A.*  
25 *Mc Intyre Fremont County Colorado gray granite,*

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33 in strict and full accordance with the requirements of drawings numbered *1, 2, 3, 4, 4½, 5, 5½, 6, 7, 8, 9, 10, 11, 13, 14, 15,*  
34 *16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, miscellaneous drawing numbered 126a, models,*  
35

36 and such other detail drawings as may be furnished to the party of the second part by the Supervising Architect of the United States  
37 Treasury Department; the advertisement for proposals, dated *December 31*, 189*7*; "General Instructions and  
38 Information;" the specification for the work; the proposal dated *January 22*, 189*8*, addressed to the said  
39 Supervising Architect by the said party of the second part; and letter dated *March 29*, 189*8*, addressed  
40 to the said party of the second part by *O. L. Spaulding, Assistant* Secretary of the Treasury,  
41 accepting said proposal;

42  
43  
44  
45 a true and correct copy of each of which said papers is attached hereto and forms a part of this contract; and which said numbered  
46 drawings, bearing the signature of the said Supervising Architect and the signature of the said party of the second part, are on file in  
47 the Office of the Supervising Architect of the United States Treasury Department, and are hereby made a part of this contract.



1 And the said party of the second part further covenants and agrees that all of the materials used shall be of the very best quality;  
2 that all of the work performed shall be executed in the most skillful and workmanlike manner; and that both the materials used and  
3 the work performed shall be to the entire and complete satisfaction of the said Supervising Architect.

11 It is further covenanted and agreed that the entire work shall be completed within fifteen (15) months  
12 from the date of the approval of the bond hereto attached;  
13 that any particular portion of the work herein provided for shall be completed within such reasonable time as may be hereafter  
14 definitely specified by the said party of the first part in written notice to the said party of the second part; and that should the said  
15 party of the second part fail to complete the entire work or any particular portion of the work within the time so specified, then the  
16 said party of the second part shall forfeit to the said party of the first part twenty (\$20<sup>00</sup>) dollars  
17 per diem, as liquidated damages, for each and every day thereafter until the completion of the same; provided, that if, through any  
18 fault of the party of the first part, the party of the second part is delayed in the execution of the work included in this contract, the  
19 party of the second part shall be allowed one day additional to the time above stated for each and every day of such delay so caused,  
20 the same to be ascertained by the Supervising Architect; provided, further, that no claim shall be made or allowed for damages which  
21 may arise out of any delay caused by the party of the first part.

22 The party of the second part further covenants and agrees to hold and save the United States harmless from and against all and  
23 every demand, or demands, of any nature or kind, for, or on account of, the use of any patented invention, article, or appliance,  
24 included in the materials hereby agreed to be furnished under this contract.

25 It is further covenanted and agreed by and between the parties hereto that the said party of the second part will, at his  
26 own expense, comply with all municipal building ordinances and regulations, in so far as the same are binding upon the United States,  
27 and obtain all required licenses and permits, and be responsible for all damages to person or property which may occur in connection  
28 with the prosecution of the work; that all work called for by the drawings and specifications, though every item be not particularly  
29 shown on the first or mentioned in the second, shall be executed and performed as though such work were particularly shown and  
30 mentioned in each, respectively, unless otherwise specifically provided; that all materials and work furnished shall be subject to the  
31 approval of the said Supervising Architect; and that said party of the second part shall be responsible for the proper care and  
32 protection of all materials delivered and work performed by him until the completion and final acceptance of same.

33 It is further covenanted and agreed by and between the parties hereto that the said party of the second part will make any  
34 omissions from, or additions to, the work or materials herein provided for whenever required by said party of the first part; the  
35 valuation of such work and materials, if not agreed upon, to be determined on the basis of the contract unit of value of material and  
36 work referred to; or, in the absence of such unit of value, on prevailing market rates; which market rates, in case of dispute, are to  
37 be determined by the said Supervising Architect, whose decision with reference thereto shall be binding upon both parties; and that no  
38 claim for damages, on account of such changes or for anticipated profits, shall be made or allowed.

39 It is further covenanted and agreed that no claim for compensation for any extra materials or work is to be made or allowed,  
40 unless the same be specifically agreed upon in writing or directed in writing by the party of the first part; and that no addition to, or  
41 omission from, the work herein specifically provided for shall make void or affect the other provisions or covenants of this contract,  
42 but the difference in the cost thereby occasioned, as the case may be, shall be added to or deducted from the amount of the contract;  
43 and, in the absence of an express agreement or provision to the contrary, no addition to, or omission from, the work herein specifically  
44 provided for shall be construed to extend the time fixed herein for the final completion of the work.

45 It is further covenanted and agreed by and between the parties hereto that all materials furnished and work done under this  
46 contract shall be subject to the inspection of the Supervising Architect, the superintendent of the building, and of other inspectors  
47 appointed by the said party of the first part, with the right to reject any and all work or material not in accordance with this contract;  
48 and the decision of said Supervising Architect as to quality and quantity shall be final. And it is further covenanted and agreed by  
49 and between the parties hereto that said party of the second part will at his expense, within a reasonable time to be specified by  
50 the Supervising Architect, remedy or remove any defective or unsatisfactory material or work; and that, in the event of his failure  
51 immediately to proceed and faithfully continue so to do, said party of the first part may have the same done and charge the cost  
52 thereof to the account of said party of the second part.

53 It is further covenanted and agreed by and between the parties hereto that until final inspection and acceptance of, and payment  
54 for, all of the material and work herein provided for, no prior inspection, payment or act is to be construed as a waiver of the right of  
55 the party of the first part to reject any defective work or material or to require the fulfillment of any of the terms of the contract.



1 It is further covenanted and agreed by and between the parties hereto that if the said party of the second part shall fail to  
2 complete the work herein contracted for, or any part thereof, in accordance with this agreement within the time herein provided for, or  
3 shall fail to prosecute said work with such diligence as in the judgment of the party of the first part will insure the completion of the  
4 said work within the time hereinbefore provided, the said party of the first part may withhold all payments for work in place until  
5 final completion and acceptance of same, and is authorized and empowered, after eight days' due notice thereof in writing, served per-  
6 sonally upon or left at the shop, office, or usual place of abode of the said party of the second part, or with *his* agent, and the  
7 said party of the second part having failed to take such action within the said eight days as will, in the judgment of the said party  
8 of the first part, remedy the default for which said notice was given, to take possession of the said work in whole or in part and of all  
9 machinery and tools employed thereon and all materials belonging to the said party of the second part delivered on the site, and, at the  
10 expense of said party of the second part, to complete or have completed the said work, and to supply or have supplied the labor,  
11 materials, and tools, of whatever character necessary to be purchased or supplied by reason of the default of the said party of the  
12 second part; in which event the said party of the second part shall be further liable for any damage incurred through such default  
13 and any and all other breaches of this contract.

14 And the said party of the first part, acting for and in behalf of the United States, covenants and agrees to pay, or cause to be  
15 paid, unto the said party of the second part, or to *his heirs, administrators, or executors,*

16  
17 in lawful money of the United States, in consideration of the herein recited covenants and agreements made by the party of the second  
18 part, the sum of *two hundred forty-seven thousand, eight hundred seventy-four dollars and*  
19 *ninety cents, (247,874.09)*

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28 And the party of the first part covenants and agrees that payments will be made in the following manner, viz: *monthly (90)*  
29 per cent (*nine (9)* tenths) of the value of the work executed and actually in place, to the satisfaction  
30 of the party of the first part, will be paid from time to time as the work progresses (the said value to be ascertained by the party of the  
31 first part), and *ten (10)* per cent (*one (1)* tenth) thereof will be retained until the completion of the entire work, and the  
32 approval and acceptance of the same by the party of the first part, which amount shall be forfeited by said party of the second part in  
33 the event of the nonfulfillment of this contract; it being expressly covenanted and agreed that said forfeiture shall not relieve the party  
34 of the second part from liability to the party of the first part for any and all damages sustained by reason of any breach of this contract.

35 It is an express condition of this contract that no Member of Congress, or other person whose name is not at this time disclosed,  
36 shall be admitted to any share in this contract, or to any benefit to arise therefrom; and it is further covenanted and agreed that this  
37 contract shall not be assigned.

38 In witness whereof, The parties hereto have hereunto subscribed their names this  
39 *Twenty-ninth* day of *March* A. D. 1898.

40  
41  
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45  
46

All signatures, alterations, and interlineations  
to be noted here before execution.

We hereby certify that this contract and bond have been correctly prepared and  
compared:

*Jas. A. Whitmore*  
Chief of the Law and Records Division.  
*James B. Peck*  
Chief of the Computer's Division.

Secretary of the Treasury.

Witnesses to the signature of the Contractor:

*H. H. Hawkins*  
*S. L. Linnance*

*John A. McIntyre*

Contractor.



BOND.

Know all men by these presents, That we, John A. Mc Intyre

of the City of Denver, County of Arapahoe and  
State of Colorado, principal, and THE UNITED STATES FIDELITY & GUARANTY COMPANY,  
of the City of a corporation created and existing under the laws of and  
State of Maryland, and  
of the City of, County of and

State of, sureties, are held and firmly bound unto the United States of America in  
the sum of one hundred twenty-four thousand (24,000.00) dollars, lawful  
money of the United States, for the payment of which, well and truly to be made to the United States, we bind ourselves, our heirs,  
executors, and administrators, jointly and severally, firmly by these presents.

Scaled with our seals and dated this eleventh day of April  
A. D. 1898.

The condition of the above obligation is such, That whereas the said John A. Mc Intyre  
has entered into a certain contract, hereto attached, with L. J. Page  
Secretary of the Treasury, acting for and in behalf of the United States, bearing date the twenty-ninth  
day of March, A. D. 1898: Now, if the said John A. Mc Intyre

shall well and truly fulfill all the covenants and conditions of said contract, and shall perform all the undertakings therein stipulated by  
him to be performed, and shall well and truly comply with and fulfill the conditions of, and perform  
all of the work and furnish all the labor and materials required by, any and all changes in, or additions to, said contract which may  
hereafter be made, and shall perform all the undertakings stipulated by him to be performed in any and all such changes  
in, or additions thereto, notice thereof to the said sureties being hereby waived, and shall promptly make payment to all persons  
supplying him labor or materials in the prosecution of the work contemplated by said contract, then this obligation to be void;  
otherwise to remain in full force and virtue.

In testimony whereof, The said John A. Mc Intyre  
, principal, and THE UNITED STATES FIDELITY & GUARANTY COMPANY,  
, and  
, sureties,

have hereunto subscribed their hands and affixed their seals the day first above written.

In line 13 on this page the words "successors and assigns" were interlined before the word "hereof"

Signed, sealed, and delivered in presence of  
H. H. Hancock  
J. D. Linnaman  
John A. Mc Intyre  
Chas. S. Banks  
H. H. Reese  
Attest:  
Arthur C. Pierce  
Asst. Secy

Two witnesses to each signature.

[SEALS.]



1 STATE OF

2 COUNTY OF

} ss:

3 Personally appeared before me, a

in and for

4 said

, the said

5

6

7

8

9 who signed the above obligation, and who made solemn oath that they are each worth

10 over and above their just debts and legal liabilities.

11 SWORN TO AND SUBSCRIBED as above written, before me

12 this day of , 189 .

13

14

15

16

17 Magistrate's signature.

18

19

20

21

22

23

Sureties' signatures.

24

Office of the U. S.

25

DISTRICT OF

26

, A. D. 189 .

27

I hereby Certify That

28

29 the sureties who have signed the foregoing bond, are known to me as residents of

30

, and citizens of the United States, and are amply sufficient

31 security for the amount thereof, and that the bond is good.

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688-2

# CONTRACT OF

W. D. McPherson,

of Denver, Colo.,  
Forwarding, Superintendence, etc.,

For U. S. Hunt

At Denver, Colo.,

Dated March 29

1898.

Amount, \$ 244,894 00

Time to complete 15 months

Penalty for each day's delay \$ 20 00

Bond dated April 11, 1898.

Amount of Bond, \$ 124,000 00

## 1. Following Instructions Must be Particularly Observed and Complied With, viz:

- 1st. The Christian names must be written in the body of the bond in full, and so signed to the bond.
- 2d. A seal of wax or water must be attached to each signature on the bond. No seals required for signatures to contract except corporate seals.
- 3d. Each signature must be made in the presence of two persons, who must sign their names as witnesses.
- 4th. Each surety must make and sign an affidavit of the amount he is worth after paying his just debts, and deducting all exemptions by the laws of the State in which he resides, and liabilities of whatever nature, as per form herewith.
- 5th. A district judge or attorney of the United States, or clerk of a United States court, must certify that the sureties are sufficient to pay the penalty of the bond.
- 6th. The affidavits of the sureties must be taken and signed before an officer authorized to administer oaths generally. The officer must certify that he administered the oaths. If the magistrate is not a judge of the United States court, his authority to administer oaths must be certified by the clerk of a court of record having official knowledge of that fact.
- 7th. Bond must be dated.
- 8th. Residence of principal and sureties must be distinctly stated.
- 9th. The sureties must justify in amounts, the aggregate of which will be equal to twice the penal sum of the bond.
- 10th. When the contracting party is a partnership concern, the contract must be signed with the firm name without seal, and the bond must be signed by each member of the firm with seal to each signature; when a corporate body, there should be attached to the contract, duly authenticated evidence that the officer or officers executing the contract and bond, have authority to do so, and the corporate seal must be affixed to each instrument.

## Treasury Department,

OFFICE OF THE SUPERVISING ARCHITECT.

April 19, 1898.

Respectfully referred to the Solicitor of the Treasury for examination and indorsement.

W. D. McPherson  
Chief Executive Officer.

## Department of Justice,

OFFICE OF THE  
SOLICITOR OF THE TREASURY.

Apr. 2, 1898.

I have examined the within contract and bond as to form and execution, and in these respects they are approved when the contract is duly executed on behalf of the United States.

W. A. Flood,  
Assistant Solicitor of the Treasury.

## Treasury Department,

OFFICE OF THE SECRETARY.

April 23, 1898.

The within bond is hereby approved.

W. A. Flood,  
Secretary.

W. A. Flood,  
Secretary.



P R O P O S A L S for the Foundations, Superstructure and Roof  
Covering of the U.S. Mint , at D E N V E R, COLO.

=====

TREASURY DEPARTMENT, Office, Supervising Architect, Washington,  
D.C. December 31, 1897. -SEALED PROPOSALS will be received at this office  
until 2 o'clock P.M. on the 28th day of January 1898, and opened imme-  
diately thereafter, for all the labor and materials required for the  
Foundations, Superstructure and Roof Covering of the U.S. Mint build-  
ing at DENVER, COLO., in accordance with the drawings and specifica-  
tion, copies of which may be had at this office or the office of the  
Superintendent at Denver, Colorado. The right is reserved to reject  
any or all bids and to waive any defect or informality in any bid,  
should it be deemed in the interest of the Government to do so. Pro-  
posals must be enclosed in envelopes, sealed and marked, "PROPOSAL  
for the Foundations, Superstructure, and roof covering of the U.S.

## GENERAL INSTRUCTIONS AND INFORMATION.

### Treasury Department,

OFFICE OF THE SUPERVISING ARCHITECT.

*PROPOSALS for* the Foundations, Superstructure and Roof Covering  
of the  
U. S. Mint at DENVER, COLO.  
*invited by public advertisement, dated* December 31, 1897

#### BLANK FORM.

Each bidder must obtain a blank form of proposal from the Office of the Supervising Architect and prepare and submit his proposal thereon. The original drawings named in the specifications will be retained in the Office of the Supervising Architect, and tracings or photographic copies of the same will be furnished bidders upon application therefor.

#### RETURN OF DRAWINGS.

Parties obtaining copies of drawings must return them within 12 days from the time of receipt.

#### COMPETENCY OF BIDDER.

Proposals from parties who are not known to be regularly and practically engaged in the class of work called for by the drawings and specifications, or who do not possess ample facilities for doing the same, will not be considered.

#### PRELIMINARY REQUIREMENTS.

Before submitting a proposal, each bidder must make a careful examination of the drawings and specifications, and fully inform himself as to the quality of materials and character of workmanship required, and make a careful examination of the place where the materials are to be delivered and the work performed, and make all necessary measurements.

#### QUALITY OF MATERIALS.

Unless otherwise specified, the materials furnished must be of the best quality, make, and device for the purpose required, and the bidder must make his estimates accordingly.

#### FORM OF PROPOSAL AND SIGNATURE.

Each bidder must state in his proposal, in writing and in figures (without interlineation, alteration, or erasure), the sum of money for which he will supply the materials and perform the work required by the drawings and specifications, and in the event he is willing to complete the work in a shorter period than the limit fixed by the specification (or if no limit be so fixed), the time for completion.

The proposal must be signed with the full name, address, and place of residence of the bidder; if the bidder be a copartnership, then in the copartnership name by a member of the firm, and the names and addresses in full of each member of the firm must be given; and if a corporation, by an officer in the corporate name, and the corporate seal must be attached to the signature.

#### FORFEITURE FOR DELAY.

Each bidder must understand that, should his proposal be accepted, he is to forfeit to the United States the sum of twenty dollars (\$20), as liquidated damages, for each and every day's delay not caused by the Government that may occur beyond the time stipulated in his proposal for the supply of all the materials and the performance and completion of the work; subject, however, to the discretion of the Secretary of the Treasury; and that he is to be entitled to one day, in addition to said stipulated time, for each and every day's delay that may be caused by the Government.

#### ALTERATIONS AND ADDITIONS.

The Department reserves the right to make any additions to or omissions from the work or materials herein provided for; the valuation of such work and materials, if not agreed upon, to be determined on the basis of the contract unit of value of material and work referred to; or, in the absence of such unit of value, on prevailing market rates; which market rates, in case of dispute, are to be determined by the Supervising Architect, whose decision with reference thereto shall be binding upon both parties; and that no claim for damages, on account of such changes or for anticipated profits, shall be made or allowed.

#### CERTIFIED CHECK.

Each bidder must submit with his proposal a certified check, in a sum equal to 2 per cent of the amount of his proposal, drawn to the order of the Treasurer of the United States, and the proceeds of said check shall become the property of the United States, if, for any reason whatever, the bidder, after the opening of the bids, withdraws from the competition, or if he refuses to execute the contract and bond required in the event of the said contract being awarded to him.

The checks submitted by the unsuccessful bidders will be returned to them after the approval of the contract or bond to be executed by the successful bidder.

Bidders are hereby notified that the certified check required with their bid must be drawn to the order of the Treasurer of the United States; a check drawn to bidder's own order or to order of any other person than the Treasurer of the United States, although indorsed by the party to whose order it is drawn, and although certified or accepted by the bank on which it is so drawn, will not be accepted as a certified check such as is required under this invitation.

#### SAMPLES.

Where the work contemplated by the advertisement requires the use of stone, each bidder must submit with his proposal a sample of the stone which he offers to furnish; and in all other cases the successful bidder must promptly furnish samples, in duplicate, of such materials as may be designated by the Supervising Architect within the time required, and no material must be put in place until after the approval of such samples. No bids for construction of stonework will be considered unless the sample is furnished as required, and any delay on the part of the contractor in furnishing samples of material will be considered as a waiver of any claim for remission of penalties for delay in completion of contract. Each sample must be properly labeled with the title and location of the building, and the name of the contractor plainly marked thereon; and, if of stone, must bear the name and location of the quarry from which obtained; and, if of brick, show the place of manufacture. In case of failure to comply with these requirements, the Department shall have the right to reject the proposal of any bidder and forfeit his certified check.



## PROTECTION OF WORK AND MATERIALS.

All work and materials embraced in his contract shall remain at the risk of the contractor until the final completion and acceptance of the same; and the contractor must, at his expense, take out all necessary policies of insurance for his protection.

## FORM OF CONTRACT.

The contract which the bidder agrees to enter into shall be in the form adopted and in use in the Office of the Supervising Architect; blank forms of which can be inspected at said office, and will be furnished, upon request being made, to parties proposing to put in bids. Bidders are understood as agreeing to accept the terms and conditions contained in such form of contract, the right being reserved to the Treasury Department to add to, or modify, said form of contract at will.

## PARTIES IN INTEREST.

No officer of the Treasury Department, superintendent, inspector, clerk, employee, or other person in any manner connected with the Office of the Supervising Architect, shall be interested, either directly or indirectly, in the contract or work herein provided for, or be entitled to any benefit derived therefrom; and any violation of this understanding shall work a forfeiture of all moneys which may become due to the successful bidder.

## SUBCONTRACTORS.

No subcontractor or person furnishing material, or employed by the contractor, will be recognized, except as provided for by act of Congress approved August 13, 1894, which act requires that, before the commencement of the work, the contractor shall execute a penal bond, with good and sufficient surety, providing that he shall promptly make payments to all persons supplying him labor and materials in the prosecution of the work provided for in such contract.

## PAYMENTS.

Payments will be made monthly, as near as may be, on account of the work satisfactorily executed and in place in the building. Such payments will be based upon the estimated value of the quantity of such work as ascertained by the Supervising Architect by computation from the contract unit of value, less ten per cent of such estimate, which will be retained until the entire and satisfactory completion, final inspection, and acceptance of all the materials and work embraced in the contract, at which time final payment of the balance due will be made.

In case of payments for heating apparatus, monthly payments of eighty per cent will be so made, and an additional payment of ten per cent upon completion of a test of the heating apparatus at the contractor's expense. The final payment of ten per cent will be made after the heating apparatus shall have been operated for one heating season to the satisfaction of the Treasury Department.

## EIGHT-HOUR LAW.

The attention of bidders is called to the act of Congress, approved August 1, 1892, limiting the hours of daily service of laborers and mechanics employed upon public works of the United States to eight hours in any one calendar day.

## RIGHTS RESERVED.

The Treasury Department reserves the right to accept any part or parts of the proposal made at the prices included in same; also to waive any informalities in, and to reject any and all proposals, and to require the contractor to discontinue the services of any workman employed on the work who is unskillful or otherwise objectionable.

## TIME OF TRANSMISSION.

Proposals shall be transmitted in time to reach the Supervising Architect's Office before the hour set for opening bids. No proposal received after that time will be considered.

## INDORSEMENT.

Each proposal must be inclosed in an envelope, sealed, and indorsed as follows:

"Proposal for the

Foundations, Superstructure, and Roof covering of the  
U. S. Mint, at DENVER, COLO. "

From [Here insert name and address of bidder.]

and addressed to—

THE SUPERVISING ARCHITECT,  
TREASURY DEPARTMENT,  
WASHINGTON, D. C.

.....S P E C I F I C A T I O N....

# GENERALLY.

PROPOSALS must be made on the blank form hereto attached, for all the labor and materials required for the foundation, superstructure and roof covering of the U.S. Mint at DENVER, COLO., in strict accordance with drawings Nos., 1, 2, 3, 4, 4 1/2, 5, 5 1/2, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 31, 32, 33, 34, 35, 36, 37, 38, Miscellaneous drawing #123-A, this specification and such other drawings, models, and details as may be furnished for the proper execution of the work.

Each bidder must state the unit prices called for; said prices to be used in the computation of changes that may be required in the work.

Each bidder must also state the time in which he proposes to complete the work, which time must not be more than 18 months from the date the Secretary of the Treasury shall have approved the contract bond.

It will be an obligation of the contract that the work shall progress with a proper force of workmen and sufficient material, to the satisfaction of the Supervising Architect, to insure its completion on or before the time stipulated.

## WORK NOT INCLUDED.

The following described work, (except as hereinafter specified), will not be included in this contract.

The clearing of the site and the general excavation for the building proper; the brick foundation walls, stone coping, and steps beyond the North side of the platform at foot of main entrance steps on Colfax Avenue; the approaches; heating and elevator plants; iron ventilating hoods on roof; the stair framing and all interior finish; plumbing fixtures, and sanitary drainage above basement floor; all piping running to the sewer in the alley and the manhole on said run; concrete filling over floor arches; concreting of the basement floor; the steel vault in the basement; the domed ceiling of vestibule and the terra cotta arches of second floor immediately over same; the 6" terra cotta walls inclosing the locker room, and on East side of shower baths, (basement), and footings of same; the burglar-proof linings of the vaults "E-F-G-H-K-L" and the 6" terra cotta walls



enclosing same; suspended cast iron flues in attic; the dwarf walls and steps along the front of the boilers in basement; the underside of the roof framing and the columns in the attic will not be fire-proofed; carving of marble work where noted "Carved in place"; the forged iron grille work above basement; also any other work noted on the drawings as not included in this contract.

#### SURVEY AND TEST LEVELS.

The various elevations noted on the drawings are computed from the city datum, and the contractor must employ and pay for the services of a competent engineer or Surveyor, (not one of his own employes), to lay out the lines of the building, test all levels that may be required to properly construct the work, and forward certificate of the City Engineer of such tests to this office, through that of the Superintendent.

#### PRIVY.

The contractor must provide a suitable (privy box) for the use of his workmen. The soil boxes must be lined water tight with galvanized iron, and all kept in a sanitary condition.

#### EXCAVATION.

The general excavation of the building to the depth "Elevation 49.75" with sides sloping 2 (base) to 1 (height), has been made.

Contractor must clean out and fill the test pits, and do all trench and pit excavation required for the walls, column footings, piping, wells, manholes, &c., also for the outside coal vault, front steps, and window areas; bottom of excavations must be level and side of trenches and pits perpendicular where concrete is to be packed against same; the contractor must keep the excavations clear of all water that would interfere with the proper execution of the work on foundations, providing all shoring and sheet piling and pumps that may be necessary.

The general excavation in coal vault, boiler room and dynamo room must be made to the depth shown.

Should rock, boulders, old walls, or other impediments be found in making the excavations, the contractor must remove the same and do all drilling, blasting, pumping, &c., that may be required; removing from the premises all useless material.

Any piping that may be encountered in the excavating must be removed to the lot lines and cut, and the pipe remaining in the ground

to be securely plugged.

Should it be found necessary to excavate for any footing deeper than indicated on the drawings, allowance will be made therefor in accordance with the contract prices; the lengths of the columns are to remain as shown, and any additional depth required, will be made in the concrete footings.

Trenches must be dug to drain the general excavation into a temporary catch basin to be provided by the contractor, from which the water must be pumped or otherwise ejected, in an approved manner, into the street gutters.

After the piping shall have been laid, inspected and accepted, the trenches, &c., are to be back filled with approved earth, well rammed in layers to the required grades, and the street made good.

After the footings of the columns and the concrete encasing the columns shall have been inspected and approved by the Superintendent, the contractor is to back fill around same. All back filling about the foundations to be carefully done, with approved material, ramming in layers to the proper grades. The back filling about the basement and coal vault walls to be done in a like manner, after the walls have been cement plastered on the outer face to grade lines. The areas to be similarly filled and ramped ready to receive the concrete paving, which will be included in this contract. The back filling on South side of main building will be only to grade of the driveway.

All surplus earth, &c., from the excavations to be removed from the premises without unnecessary delay.

#### EXPLANATION OF DRAWINGS.

Alternate solid and broken lines on plans and sections of exterior walls indicate brickwork; solid lines on plans and sections of exterior walls and on footings indicate stone work; and solid lines on plans and sections of interior walls and casings of columns indicate terra cotta work. - Concrete sections are cross hatched CONCRETE.

Concrete footings to be the dimensions indicated on the several drawings. The concrete foundations of front entrance and approach steps, on Colfax Avenue, must be put in as shown on drawing "E".

The steel foundation columns below the basement floor, to be



completely encased and filled with concrete and cement grouting; proper wood forms must be provided for the concrete casing and the forms removed before back filling. Foundations under dwarf walls, manholes, and the area floors, to be laid after the earth has thoroughly settled; the two brick wells in basement, however, must be put in place with the building foundations. Floors of cleanout manholes to be 8" thick and extend 4" outside of the walls. The area floors to have 8" thick layer of concrete, graded to the outlets, with 1" thick coat of equal parts coarse sand and Portland cement, troweled smooth and jointed to the cesspools. The haunches of the brick arches of first floor to be filled in with concrete leveled up to the crown of the arch.

The top of coal vault to be leveled up with concrete and finished with a 2" thick coat of mortar as specified for the area floors.

The floors and insides of the wells and manholes to be plastered with  $\frac{3}{4}$ " of one to one Portland cement mortar, troweled smooth.

The deck roof to be leveled and graded with concrete to the top of the nailing strips and have a skim coat of mortar; the book tile to be covered with Portland cement mortar as required.

Outside walls from the top of footings to the stone facing, must be plastered with  $\frac{3}{4}$ " thick coat of Portland cement mortar laid on from the outside, and not overhand, as the brickwork is laid.

The concrete used on the work to be composed of five parts, (by measure) of clean, hard stone, broken to a size to pass through a 2" diameter ring, two parts clean, sharp, coarse sand, and one part cement.

For the concrete filling over floor and deck roof arches and casing of columns and girders, four parts of screened <sup>washed</sup> gravel, to be used in lieu of five parts of broken stone.

The sand and cement to be mixed dry, water added to make a mortar of proper consistency, and the broken stone or gravel drenched with water and drained, and mixed therewith until each piece is thoroughly coated.

The concrete is to be mixed in batches, quickly laid in place and thoroughly tamped into a compact mass until free mortar appears on the surface. Concrete and cement work on roof to be as shown and hereinafter specified.

## C E M E N T .

All cement throughout to be the best quality of Portland cement, having a tensile strength of not less than 350 lbs. to the square inch, and of such fineness that 90% will pass through a # 100 standard sieve.

Samples of the cement proposed to be used for the work must be submitted by the contractor for test at the office of the Supervising Architect; and briquettes made of neat cement after exposure to the air for one day and immersion in water for six days must show the above specified tensile strength.

The cements for use in actual construction must be of uniform quality, equal to that of the samples, not damaged, satisfactory to the Supervising Architect, delivered on the site in the original packages, with the brand and maker's name, plainly printed or stenciled thereon; and the cement must be kept dry.

## MORTAR.

All mortar, (except where otherwise specified), to be composed of one part Portland cement and two parts clean, sharp sand.

## MODELS AND FULL SIZES.

The plaster models and the full size details for ornamental work will be supplied by the Government.

## .....S T O N E W O R K.....

All stone facing of walls of building to top of water table, including cheek blocks, steps and platforms at main entrance, copings, manhole capstones, facing of area wall, steps at basement entrance and to dynamo room to be red granite. Above top of water table, gray granite, with approved Colorado marble for sills, jambs, mullions, arches, etc., of windows, as noted.

Bidders are required to state on proposal sheet the total amount of bid if Colorado red sandstone is substituted for gray granite for superstructure.

## LOCATION OF QUARRIES.

The names and locations of the quarries from which it is proposed to obtain the granite must be stated in the proposal; and the quarries must be fully opened and capable of supplying the stone in sufficient quantities and at proper times.

The names and locations of three buildings in which the granite is used must also be given in the proposal.



The unexposed footings, bearing blocks, &c., must be approved, hard, durable granite;.

The stone throughout the entire work to be #1 selected stock, close grained, of even texture and free from all defects, in every way satisfactory to the Supervising Architect; and all stone of each class of exposed work to be of uniform color.

#### FOOTING STONES AND BEARING BLOCKS.

The footing stones of the foundation columns to be of the dimensions noted, each capstone must be a single stone, with bed and top surfaces axed to full even bearing; also properly drilled for the anchor bolts of columns.

The column footing stones below the capstone may be in two pieces each, the joint under centre of capstone, all worked to fair surface, set in full mortar beds, joints filled with mortar, and the beds must not exceed  $1\frac{1}{2}$ " nor the joints  $3\frac{1}{4}$ "

The bearing blocks in walls to be of the dimensions noted on the framing plans and details, with the beds axed to full and even bearing and the sides axed true.

#### FINISH.

The face of all granite up to <sup>top of the</sup> the base course of superstructure, and above 2nd floor line, to be fine #6 cut work. The rusticated ashlar of 1st story, including voussoirs to be fine picked work to the joint line and to the margins; the margins and the jambs and soffits at openings to be fine #3 cut. The vertical joints in the 1st story ashlar not to exceed  $1\frac{1}{8}$ " thick and the picked work must be dressed after setting, in order that the finished face may be uniform.

Should sandstone be used in lieu of gray granite for superstructure above water table, the exposed faces to be finished as specified for granite except that square dove work six bats to the inch must be employed in lieu of the fine #6 cut work.

Backs and undersides of steps, &c., to be rough pointed fair; back of stonework generally to be pitched off square with the bed, and all stone finished true where coming against iron or other work.

Marble work to have rubbed finish.

#### FACING, &c.

The facing of the entire building, areas, and coal vault, from at least 4" below grade, to be as shown, bedding alternately for bond with the brick backing.

Projecting courses generally must be weathered, and undercut for drip. Moulded and carved work must be cut in strict accordance with the full size details or models. The capstone of chimney to be in two pieces and pierced for flue openings as shown.

Chases to be cut in main walls for housing the ends of the stone work of dwarf walls. Stonework must be properly cut to receive iron work, brass goosenecks, anchors, &c., as required. Raglets  $3/8$ " wide, 1" deep to be cut for cap flashing.

#### STEPS, &c.

The steps and platforms at main entrance to the North side of the lower platform must be provided and set, also the steps at rear basement entrance and the steps from basement floor level down to dynamo room and coping of <sup>window</sup> areas and of coal vault.

The stone caps of the outside manhole on Colfax Avenue and the two wells in basement must have rebated holes for the cast iron covers.

#### MARBLE WORK.

The 1st story window sills, and the jambs, transoms and carved panels over the transoms of 1st story openings, (except the small rear windows), and the jambs, mullions, inner arches and panels in 2nd story windows, also the medallions over the small windows, to be Colorado marble, finished smooth rubbed work, for all plain and moulded surfaces.

#### BEDS AND JOINTS.

Beds and joints of all stonework must be fair, true, and out of wind, have equal bearing throughout, and be so worked that when set, the joints shall be uniform, and not exceed  $3/16$ " in thickness; all stone, (except as otherwise specified), to be cut to set on quarry bed. Sills, except slip sills, to be bedded at ends, only.

#### DOWELS, CRAMPS and ANCHORS.

The contractor to supply the required slate dowels, cramps and anchors, drill the stone and cut the sinkages for same; and to thoroughly embed them in mortar and properly build them in.

The stone facing must be cramped together with wrought iron cramps of  $1/2$ " X 1" bar and of the necessary lengths, with the ends turned up 1", and the anchors into backing to be  $1/4$ " X  $5/4$ " bar, turned down into the stone 1" and extending into brickwork not less than 8", with the end turned up 2" into backing; and the anchors to be used, generally in the courses having 9" bed, and as directed by the Superintendent, allowing not less than two anchors to each superficial yard of stone, <sup>facing</sup> copings and projecting courses must be anchored as directed.

All wrought iron cramps and anchors to be dipped while hot into hot asphalt.



## STONE SETTING.

Granite (or sandstone) must be bedded and jointed in Portland cement mortar.

Marble work to be bedded and jointed and plastered on the back (where practicable) with mortar,  $1/3$  wood burned stone lime, slacked not less than 14 days before using and  $2/3$  clean, sharp sand,

All the exposed stonework to be set in strict accordance with the drawings, with open face joints ( $3/4$ " deep) for the final pointing, hereinafter specified.

## PATCHING.

No patching nor hiding of defects in the stonework will be permitted, and no lewis holes to show on exposed face of stonework.

## CLEANING AND POINTING.

Upon the completion of the walls of the building, areas, &c., all exterior exposed stonework must be washed down clean.

The exposed joints in the stonework to be raked out to a depth of  $3/4$ ", the loose mortar brushed out, the joints moistened with water, and packed solid and full with Portland cement and clean sharp sand, half and half, the mortar being properly colored to match the stone, and specially treated to render it impervious to moisture. Marble work to be similarly pointed with lime putty and marble dust.

Face joints to be finished slightly concave; tops of copings, steps, &c., to be pointed flush.

## -----B R I C K W O R K-----

## COMMON BRICK.

In estimating quantities of brickwork, bidders will be guided by the following table of dimensions; and the contractor will be required to build the walls in accordance therewith.

8" walls to be 1	brick thick.
9" walls to be 1	brick thick.
13" walls to be 1 $1/2$	brick thick.

And all other walls proportionately.

All walls shown on plans and sections by alternate solid and broken lines except hollow brick linings are to be of common brick of the best quality, square and out of wind, sound, hard burned, firm in texture, of uniform dimensions, and free from limestone pebbles; no soft salmon or defective brick are to be used; and the brick to be laid in first class manner, with close joints, bonded throughout with headers every fifth course, thoroughly bedded and jointed in cement mortar, with the joints of each course flushed full of mortar thoroughly work in with the trowel.

The inner face of outside walls above the basement to be lined with hollow brick properly bonded with the common brick work with hollow brick headers every fifth course.

The exterior walls of the basement from the basement floor line.



to within two courses of the granite water table, to be built with air space, one half brick in width, 1'0" back from outside face of wall, bonding across the air space as detailed.

The chases required for the dwarf walls are indicated on the basement plan and are to be laid off in accordance with the details, but the brickwork of the dwarf walls is not to be executed till the back filling shall have thoroughly set.

Wherever drain, water, sewer, gas and other piping is to pass through the exterior walls, pipe sleeves of cast iron, 2" larger in diameter than the pipe which is to be run through same and in lengths the full thickness of the walls through which the piping is to pass, are to be carefully built in the exact positions shown or required.

Chases to be built regularly and true, with selected fair brick with neatly troweled joints; and the backs of all chases must be plumb from bottom to top, without offsets.

The smoke flues 9" x 13" in the exterior walls must be plastered on the inside with Portland cement mortar. Flues in chimneys must be lined with terra cotta flue lining, close fitting, and jointed in Portland cement mortar. Terra cotta pipe thimbles must be built in the flues as directed. Openings must be left at bottom of flues, and loose mortar &c., cleaned out.

The galvanized iron flue linings, &c., to be carefully built in, keeping the linings above the brickwork, and, at all times, free from mortar, properly protecting the exposed ends with wooden boxes.

The attention of the contractor is particularly called to this portion of the work; and should any doubt arise as to the meaning of the drawings, in regard to dimensions or location of flues, chases &c., application must at once be made to the Superintendent for specific information.

Wherever they may be required, skewbacks must be formed in the walls for the construction of arches.

The arches over openings to be the full thickness of wall or depth of reveal.

Small openings in the interior face of exterior walls to have 8" flat arches, unless otherwise shown on details.

The brick floor arching of the first floor, noted on the framing plan, to be hollow brick, as noted. Special skewbacks, meeting under the beam flanges must be provided for the 1st floor brick arches.

The arching over coal vault is to be of common brick.

All arches to be built close jointed on substantial centres, which must not be eased nor struck until the mortar has set.

#### CENTRES:

The centres for the construction of the brick and terra cotta arching must be substantially built of wood and exactly set and keyed.

Outside manhole and wells in basement to be built as shown;



cleanout manholes to be 8" thick, of depth required by grade of pipes, and of sufficient size for convenient handling of cleanout tools.

The foundation walls for main entrance steps to be built only as far as to the front of the lower platform.

#### BUILDING OF BRICK WALLS:

The walls of the building to be built uniformly, one scaffold in height at a time; and all walls to be carried up to their full heights, as shown or required; all to be of proper dimensions, the courses of the brick work kept level, and true to lines, the faces of the walls plumb and out of wind, and all openings, offsets, &c., to be carefully laid off and built in the exact positions required.

The contractor is to level for, bed and properly set the stone and iron bearing plates; and to build in properly the steel and iron work of the floors, roof, &c., including anchors, tie-rods, cramps, &c., and the steel and iron work to be built in solidly.

Brick must be properly wet immediately before laying.

The exposed joints of the brick walls, where same are to be plastered are to be cut off rough for plaster key, the joints of the unplastered portions of the brickwork to be neatly trowel pointed.

#### PROTECTION DURING CONSTRUCTION.

All projections, angles, door and window sills, trimmings, the stone work of the entrance steps, &c., and all other work liable to be injured during the construction of the building to be properly protected with boxing and planks, which must remain the property of the Government; whenever leaving off work, the tops of the walls must be completely covered with boards.

If at any time during the progress of the work the walls be liable to damage from freezing weather, such protection as may, by the Superintendent be deemed necessary, must be provided by the contractor without extra expense to the Government.

#### TERRA COTTA WORK.

All interior walls, &c., indicated on the plans and sections with solid lines, are to be terra cotta laid in cement mortar.

The steel columns (except in attic) to be encased from bottom to top with terra cotta jacketing not less than 1 1/2" thick with ribs on inside to allow at least 1/2" air space, and all well clamped together with wrought iron clamps; the columns enclosed in the partition walls, throughout the building are to be properly encased in terra cotta.

The lower portion of all girders and the soffits of beams, &c., to be thoroughly fire-proofed with terra cotta, using special forms where necessary, and substantially securing the fire proofing in



place in the most satisfactory manner. Contractor must submit sketches showing his proposed method of fire proofing the girders for approval before executing the work.

Portion of 1st floor not having brick arches, all floors above the 1st floor, and the flat portions of the roof, to have porous terra cotta arches of depths noted.

Arches to be end construction, the soffit line 1" below the bottom flanges of the beams, angles and channels, with skewbacks so arranged that the soffits of the steel framing will be completely covered; no joint to exceed  $3/16$ " thickness; cutting will be allowed only where absolutely necessary and approved by the Superintendent, and special patterns of arches must be made if required, to fit the work.

The terra cotta arches must be capable of sustaining 800 lbs. per sq. ft.; the load of 800 lbs. to be placed on any part of the arch, before concreting over same; the arches must be tested at the cost of the contractor, and all portions, that, in testing, may be found defective must be removed and new work substituted.

The terra cotta partitions in each story, unless otherwise especially noted on the drawings, to be built from the floor framing to the soffits of the beams above.

The hollow wall partitions to be built with 4" thick blocks each side of the center space tying together the walls with through blocks, spaced not more than 3' apart throughout the lengths and heights of the partitions. The partitions, at bottom and top, and at the jambs of all openings, to be built solid. The jambs of the vault openings to be built to conform to the steel linings and vestibules of the vaults.

Vent and heating flues, &c., to be constructed in the hollow partitions, where shown and of the various dimensions noted; and the flues to be lined with galvanized iron flue linings, as hereinafter specified, and to have the register openings as indicated and scheduled.

The solid wall partitions to be built with blocks 6" thick, except where other thicknesses are shown.

Door and window openings in terra cotta partitions to have  $3/8$ " thick rolled steel lintels of width the thickness of partitions and with solid bearing of 4" at each end. Wood nailing blocks must be solidly built in the jambs, 2'0" apart, and so secured that they cannot be displaced by driving nails therein; the terra cotta blocks at the jamb of the double partitions must be laid on the sides, to properly receive the wood blocks. The above described construction must be employed instead of the plank and channel iron frames shown on the drawings.

Wood blocks must be built in the partition 3'0" apart for securing the joinery work grounds; all well secured and anchored with wood tail blocks, spiked and built into the hollow spaces in the terra cotta. Partitions must be plumb and true, out of wind, and the dimensions and positions of same and the openings must be carefully verified.

All partitions to be substantially built and tied together, cramping and anchoring with approved iron straps, &c., anchoring to abutting work, and the blocks of solid partitions laid on the sides, not stood on end.



The slopes of the roof to be covered with book tile as noted, closely fitting, jointed in cement mortar and fastened down with the iron clips as noted.

All the terra cotta fireproofing, including book tiles and floor arches, must be porous terra cotta, best quality, moulded fair and true, thoroughly and evenly burned and free from large kiln cracks or other defects, and entirely satisfactory to the Superintendent and the Supervising Architect; and the terra cotta for the floor arches, partitions, column jacketing, &c., to be roughly scored before burning to afford a suitable key to receive the plastering.

The work must be bedded and jointed in cement mortar, the joints  $1/8"$  to  $3/8"$  thick, and in order to give the mortar proper slip, lime water may be used for mixing, but no undissolved lime putty or dry lime will be permitted; terra cotta must be set in full mortar beds and all properly wet before placing; metal clamps, anchors, and ties must be supplied as directed, of large size and of wrought iron, asphalted.

#### STEEL AND IRON WORK.

The contractor must furnish and put in place, complete, the interior foundation columns and all the steel and iron framing of the superstructure, including the roof and roof skylight complete, and all other steel and iron constructional work, shown on the drawings or called for in the specification.

The rolled shapes generally are to be of steel.

All the steel construction and framing to be in strict accordance with the drawings therefor, and details to be supplied. The contractor must provide shop drawings, in duplicate of the constructive steel work for the approval of the Supervising Architect, before executing any of the work.

The connections, generally, to be made with angles, &c., using bolts and rivets of the number and sizes indicated; and, where connections may not be detailed, first class workmanship will be required. In general, riveted work will be required; but where it may be found impossible to rivet, bolts may be used, drawing up tight all nuts and securing same by upsetting the threads with a chisel.

Wherever the expression "Similar" is noted on the drawings it must be taken in its general sense, and not necessarily as identical; and each column, girder, &c., must be worked out separately with due reference to the floor plans, and details, and the sizes and dimensions given in the schedules.

All the steel and iron work of the building to be accurately placed in position and well connected, substantially securing together and properly building in.

#### MARKINGS.

The various pieces of the steel construction must have proper distinguishing marks plainly painted thereon, near their ends.

#### SCUTTLES AND LADDERS.

The scuttles on the deck, to be provided with ladders from the attic floor to the scuttle curb, in strict accordance with the details. Ladder in large vent shaft to have  $3" \times 1/2"$  sides and be



constructed as shown.

#### VAULT LININGS.

The first story vaults, "A"- "B"- "C"- "D"- so detailed on drawing #31, are to be lined with steel plates, and framed as shown.

The wall plates to be shod with angles for bearing on the upper flanges of the floor beams, to which they are to be securely bolted.

Except at the vestibule, there will be no floor plates.

Each steel lined vault will be framed with an entrance vestibule with sides, floor and head plates, connecting with the vault lining.

#### BASEMENT WINDOW GRILLES.

Basement window grilles to be smooth wrought iron, constructed in the best manner and in accordance with details to be supplied, and built into the granite jambs as indicated.

#### COAL VAULT COVERS.

Cast iron flanged rebated curbs to be built in the coal vault arches, extending from soffits of arch to surface of walk. The 2'0" diameter curbs to be fitted with cast iron covers, secured from the inside; the 2'6" diameter curbs to have approved vault lights set in iron frames cemented into the rebate of curbs. All metal 1" thick.

#### MANHOLE, &C., COVERS:

Outside manhole to have 1" thick perforated iron cover, and the two wells 1" thick solid iron covers fitted into the rebate in stone caps. Cleanout manholes to have cast iron rebated frames anchored in the walls, with cast iron covers having drop lifting rings and stiffening ribs, all 1/2" thick metal. All covers in basement diamond channeled and set at floor level.

#### QUALITY OF STEEL.

All steel must be open hearth, medium steel of American manufacture, having an ultimate strength in tension of from 60,000 to 68,000 pounds to the square inch; elastic limit, not less than one-half the ultimate strength in tension; minimum elongation, 24% in an 8" length; minimum reduction in area at fracture, 40%; and to bend, cold, through 180 degrees on a diameter equal to the thickness of the test piece, without showing a crack or flaw on the outside of the bent portion.

Any material rolled 2 1/2% light will be rejected.

Rivet steel to have a tensile strength of 54,000 to 58,000 pounds per square inch, and must be capable of being bent cold on itself and flattened without sign of fracture.

#### TEST PIECES.

The tensile strengths, limits of elasticity and ductility to be determined on standard test pieces, cut from the finished material and turned or planed parallel; each test piece to have not less than 1/2 square inch of sectional area, and the elongation to be measured on an original length of 8".

The contractor will be informed of the number of test pieces



required, and no material is to be shipped or riveted up until it shall have been inspected, tested and approved by the duly accredited agent of the Government.

#### QUALITY OF CAST IRON.

All castings to be of the best quality, tough, gray iron, free from injurious flaws or blow holes, true to pattern and of workman-like finish.

All holes in cast iron for bolts must be drilled.

#### WORKMANSHIP.

All workmanship to be first class in every respect.

Rivet holes must be laid off and punched so accurately that the holes will come exactly opposite, when the members shall have been brought into position for riveting.

Rivets must completely fill the holes and have full heads concentric with the rivet, and the rivet heads must have full bearing on the plates. All rivets must be driven with a machine capable of retaining pressure after upsetting the rivets. Hand driven rivets will only be permitted where a machine cannot be used.

All holes in material  $5/8$ " thick or less, may be punched full size, but holes in all material over  $5/8$ " thick must be punched  $1/8$ " small and reamed to full size; or the holes may be drilled.

The diameter of the punch shall not exceed the diameter of the rivet, nor the diameter of the die exceed that of the punch by more than  $1/16$ ".

Drift pins must only be used for bringing the pieces together, in assembling, and they must not be driven so hard as to distort the metal. When the holes need enlarging, it must be done by reaming.

Built members when same shall have been finished must be absolutely free from twists, open joints, or other defects.

Steel that has been partially heated, or bent cold, must be afterwards wholly annealed, except the ends of beams, &c., after heating for coping.

#### INSPECTION.

Ample facilities shall at all times be furnished the duly authorized agent of the Government, at the mill and at the shop, for the inspection of the material; and no work must be made up at the shop before the material therefor shall have been accepted at the mill; nor must the finished pieces, in any case, be painted or oiled before the workmanship shall have been accepted.

If it be deemed necessary to take samples from finished pieces or to test such pieces to destruction, the injured pieces will be paid for at cost, less the value of the metal as scrap, but, should the iron or steel, so tested, not withstand the required test, it will be considered as rejected, and no compensation therefor will be allowed.



## GALVANIZED IRON FLUE LININGS.

The ventilating and heating flues, shown on the drawings and located in the walls, to be lined with galvanized iron, in accordance with the details shown on miscellaneous drawing #126-A, and all joints to be strongly riveted and soldered.

Flues of 12" x 16" and smaller, to be constructed of #24 B.W.G. iron; and those of larger dimensions to be constructed of #22 B.W.G. iron.

The register openings to be the sizes given in the schedule on the miscellaneous drawing #126-A; and the flue linings at the register openings to be fitted with four 3" copper clips, riveted on, for securing the register faces in place.

The register faces are not included in this contract.

The brick and terra cotta work to be built close around the linings, keeping the latter above the masonry, while building in, and at all times free from mortar.

## CARPENTER WORK.

All wood for blocking, framing, centers, nailing strips, fillers, &c., must be best quality pine or spruce, sound, straight grained, thoroughly seasoned, and of dimensions required.

Wood centers, ~~rough frames~~, &c., are called for under brick work, terra cotta work, and skylight.

## NAILING STRIPS AND OUTLOOKERS.

The deck roof to have wood nailing strips of 1" thick stuff, 1" wide on top, 1 1/2" wide on bottom, bedded broader side down in the concrete filling, spaced not over 1'7" on centers. The deck cornice outlookers to be 2" thick stuff, cut to proper profile, spaced 1'0" on centers, and spiked to a 2" x 4" continuous strip bedded in cement mortar and bolted to the book tile with 1/2" diameter bolts every 1'6" with 2" washers on under side. Wood fillers must be provided and bolted to I beam lintels for joinery work grounds, as directed.

## FLAG STAFF.

The flag staff to be a selected, clear straight spar of pine or spruce, dressed to 10" at the butt, and tapering to 5" diameter at the top, and 38' 0" long; and, at the top, to be provided with a 14 oz. 10" diameter copper ball, gilded with XXXX gold leaf, and mounted on a 3/4" diameter aluminum bronze rod, with aluminum bronze tip. The truck and sheaves to be bushed with gun metal and sheaves to turn on gun metal shafts; staff to be flashed and collar flashed



with copper; halyards to be rove before erection of staff, and galvanized iron line cleats provided and fixed where directed. Workmanship on staff to be equal to best spar maker's work, smoothed with form planes, sandpapered, finished with two coats of linseed oil and two coats of the best quality white lead and linseed oil paint.

#### SLAT WALKS.

Roof walks two feet wide to be provided from the scuttles to the flagstaff, constructed of  $1\frac{3}{4}$ " x  $1\frac{3}{4}$ " slats dressed on all surfaces, spaced 1" apart, properly fastened together and provided with the necessary washers or blocks to protect the copper roofing and permit escape of water. Walks must be anchored to the scuttle curbs and skylight with iron rods or straps.

#### ROOF TILES.

Slopes of roof to be covered with best quality vitrified unglazed red Spanish roof tiles, laid in full beds of Portland cement mortar, in no case less than  $\frac{1}{4}$ " thick, and each tile fastened down with #14 copper wire run through both holes in tile and through the book tile and twisted tight on underside, the holes being cemented water-tight before laying the next tile. The starting tiles to have closed ends and project 2" over the gutter, and the barrel of last tiles under hip rolls and against deck cornice to die to a flat surface; the hip tile and corner finials must be specially secured, as directed.

#### COPPER WORK.

The covering of the deck roof, and the gutter linings of main roof to be 12 oz., hot rolled, untinned copper.

Cap flashings and face of deck cornice to be 14 oz. untinned cold rolled copper.

One inch wide 14 oz. copper tags, spaced 1'0" to be nailed to the wood strips on deck roof with two copper nails to each tag, and the roof covered with a layer of tarred roofing felt before laying the copper.

The roof to be covered with sheet copper 1'8" wide, laid lengthwise of the wood strips, all seams single locked, malleted flat, not less than  $\frac{1}{2}$ " wide, and soldered water tight; the tags to be turned into the seams. The copper to be brought over the deck cornice, jointed to the copper cornice with double locked unsoldered seam malleted flat against the face of crown mould.

Copper to be turned up against scuttles and skylight curbs and properly cap flashed; scuttles to be covered with copper as shown; deck cornice to be fitted in place and have continuous apron extending 6" on the roof tiling. Details will be supplied



for cornice. Flashing of chimney and vent stacks must be let into the raglets wedged tight with lead and pointed with approved elastic cement. The main gutter to be graded with cement mortar and have continuous asphalted wood filler bolted to iron front as noted

Cold rolled copper clips 1" x 1/8" to be laid on the stone cornice 1'0" apart, bedded in cement, then two continuous strips of 14 ounce cold rolled untinned copper, of required width, laid over the clips, and the angle iron gutter front placed and bolted through to the stonework. The lower sheet of copper to be turned under the outer ends of the copper clips and the whole bent down over the edge of crown mould of stone cornice to form a drip. The second sheet of copper to be turned up against the angle iron and secured to the gutter lining with double locked unsoldered seam malleted flat; gutter outlets to be bell shaped, twice the area of the down pipe and protected with copper wire basket.

The copper lining is to be secured to the copper strip or gutter front, fitted to the form of the gutter, and extended under the roof tiles 8", upper edge turned down 3/8" in the cement, making water tight connection. Cross joints to be locked, 3/4" wide, malletted flat and soldered; no longitudinal seams to be in the gutter.

#### SKYLIGHT.

The roof skylight to be as shown on drawing # 35. The wood cap and sole pieces, and the wood fillers and louvre frames, to be bolted to the constructive steel work. All copper, except as otherwise noted, or called for, to be 16 oz., cold rolled untinned. Gutter lining to be 16 oz. cold rolled copper jointed as specified for main gutter, and jointed to the cornice at top of gutter front. Entire outside of skylight turret must be covered with copper, and the copper returned into the louvre openings; louvres to be well fastened in place. Down pipes to be enlarged at inlets.

Sash bars, gutters, caps, &c., to be as shown. Glass to be 3/8" thick, rolled plate, straight and true, bedded on a strip of felt on the copper condensation gutters and must be water tight without the use of putty or cement.

The screens to be # 13 wire, 1" mesh, properly secured to the channel frames.

#### COPPER NAILS.

Nails securing copper work to be copper, and capped with copper disc neatly soldered.

#### GUARANTEE.

The entire roof covering including all tiling, copper work, skylight, and drainage therefor, to be guaranteed water tight for



a period of one year from the completion of the same, and any defects, manifested within that time, to be remedied by the contractor without additional cost to the Government.

#### DRAINAGE.

The building is to be provided with two systems of drainage, the soil pipe drainage into the sanitary sewer, and the rain water and waste pipe drainage system with the storm sewer.

Of the soil pipe drainage system, the horizontal drains, from the vertical elbows under basement floor to the city sewer on Colfax Avenue, are included in this contract; of the rain water and waste pipe drainage system, the complete drainage of the roof and the window areas outside the building are included; also all interior piping thereof shown on the basement plan, drawing #3.

#### CAST BRASS GOOSENECKS.

The goosenecks for the drainage of the roof gutters to be cast brass bends, 3/8" metal, extra heavy cast iron pipe sizes, moulded in accordance with the full size details, to be furnished the contractor.

The goosenecks to be jointed to the cast iron down spouts as hereinafter specified for the jointing of the cast iron piping.

The gutter linings to be connected with the goosenecks with heavy projecting copper ferrules, soldered into the brass bends in the most approved manner; and these ferrules are to be riveted and soldered to the bell shaped outlets of the gutter linings.

#### DRAIN PIPES.

The roof drain pipes from the cast brass goosenecks of the roof gutters to the wells and outside manhole on north side of building as indicated on the basement plan and detailed on the drawing #14, including the first length of piping beyond the running trap in manhole, and all traps, connections, &c., to be cast iron.

From the length of iron pipes outside of manholes to the city sewers in Colfax Avenue, best quality salt glazed, earthenware hub pipe, 4" and 12" diameter respectively, to be laid, the trench bed hollowed for hubs, joints made with cement mortar, each length cleaned out as laid, and each joint entirely covered and enclosed with a ring of concrete 6" thick and 12" wide. Proper connections must be made to the sewers. The earthenware pipe must be jointed to the iron pipe with asphalt. Proper protection must be provided in the street, lights maintained, the necessary permits obtained and paid for, and where required, the work must be performed in accordance with City regulations. A 12" x 4" Y must be put in the 12" pipe for future connection of drain from lot gutters; the opening to be properly plugged.



Running traps in the outside manhole to be provided as shown  
The large trap to be a back pressure trap of approved pattern.

The cleanouts on the runs of pipes to be of approved pattern with removable cover, gasket, &c., complete; those at ends of pipes to be eighth bends with short lengths of pipe jointed thereto, and having threaded brass ferrule with boss for wrench; all of same diameter as the pipe in which they are placed.

Three inch diameter cesspools with bell traps, to be set in window area floors at required level and connected to the drain pipes.

The drain pipe connections to the basement wells must be as shown, the pipes cemented in the walls water-tight.

The cast iron pipe to be the sizes noted and run as indicated, using all necessary Y's, bends, &c., and laying true to lines and proper grades; ending the soil pipe drainage with the vertical elbows below the basement floor, plugging all open ends, ready for future connection, and making complete the rain water drainage from roof and areas.

Each length of down pipe to be substantially secured in place with wrought iron pipe hooks of sufficient lengths; a hook being placed immediately below each hub and driven into the joint of the masonry; and, where the joints of the masonry may not come at the required points, holes are to be drilled and wood plugged to receive the hooks.

The lines of piping at the basement ceiling to be substantially hung from the steel frame work of the first floor, with approved pipe hangers; running the piping down to the basement floor at the points indicated on the basement plan. Piping must not be hung to terra cotta walls; wrought iron collars must be provided for vertical pipes and hung from constructive steel work. All pipe hooks, &c., must be heated and dipped into hot asphalt.

#### WEIGHT OF CAST IRON PIPE.

The cast iron pipe to be extra heavy hub and spigot pipe and including the hub must have not less than the following average weights per lineal foot:

3" diameter pipe to weigh 9 1/2 pounds per lineal foot.									
4"	"	"	"	"	13	"	"	"	"
5"	"	"	"	"	17	"	"	"	"
6"	"	"	"	"	20	"	"	"	"
8"	"	"	"	"	33	"	"	"	"
10"	"	"	"	"	45	"	"	"	"
12"	"	"	"	"	54	"	"	"	"



Fittings to be extra heavy.

The lengths of pipe to be straight, cylindrical and of even thickness of metal; the spigot ends with bead, also the hub ends, must be perfect in form so that proper joints can be made; and all fittings must be true and free from all defects.

All the cast iron piping and fittings, after being thoroughly dressed and cleaned and freed from all rust, must be coated inside and outside with asphalt, heated to the proper temperature, heating also the pipes, &c., that they may be dipped hot into the melted asphalt.

The jointing of the cast iron piping, &c., to be made with oakum and run with molten lead. The oakum to be of the best quality, firmly and tightly driven in with proper tools; and each joint, before running same with molten lead, must be wiped out dry; then run full with lead at one pouring; and the lead, after same shall have been calked in solid, must be flush with the face of the hub.

All lead for calking must be soft pig lead of the best quality and brand.

#### TESTING.

The cast iron drainage system and the soil pipes after all openings, as at Y's, &c., shall have been stopped, where necessary to form a column for water pressure, must be filled with water to the top of the down spout at the main roof gutters, and allowed to stand for three (3) hours; and all defects to be made good.

The terra cotta drains are to be separately tested, with a water pressure to the top of the fresh air inlet, and must be proven satisfactory by a six (6) hour test.

#### PAINTING.

The constructive steel and iron work and window grilles, after inspection and acceptance, by the Government, and before leaving the shop, are to be cleaned of scales, rust, &c., and given one coat of pure linseed oil. Where pieces are to be in contact, each surface to be also given one coat of pure linseed oil and the best quality of red lead, (one pound of oil to two and three-quarter pounds of red lead), before assembling. After erection, the entire steel and iron construction, except that below the basement floor level, to be painted two coats of red lead and linseed oil paint, (one pound of oil to four pounds of red lead and two ounces of Japan drier). Parts inaccessible after erection to receive the paint before erection.

The iron and steel work below the basement floor level to be cleaned and coated on all surfaces with hot asphalt and before placing the concrete around same, to receive an additional coat.



Planed and turned surfaces, drilled holes, &c., to have a coat of white lead and tallow immediately after being tooled.

Iron ladders, cast iron frames and covers of manholes, wells and coal vaults, to have a coat of hot asphalt.

Slat walk on roof to receive three coats pure lead and linseed oil paint.

#### SAMPLES.

The contractor must furnish for the approval of the Supervising Architect, samples in duplicate of all materials, properly labeled, and forwarded to this office, charges prepaid.

#### TEMPORARY CLOSING OF OPENINGS.

All openings in outside walls must be temporarily boarded up, with boards either matched or battened and fitted close to the masonry.

In the outside doorways, suitable doors must be provided, substantially hung and provided with padlock and two keys, delivered to the Superintendent.

One-half of the window openings must be fitted with glazed sash at least 2'0" square, all supplied and placed where directed.

The boarding, &c., must be done when required by the Superintendent, and must all remain the property of the Government.

#### SCAFFOLDING.

All scaffolding, derricks, &c., necessary for the proper execution of the work, which must be safe and suitable for the purpose to be supplied by the contractor.

#### DAMAGE AND CLEANING UP.

The contractor will be held responsible for and be required to make good at his own expense, any and all damage caused in the execution of his contract, and upon completion of his work, clean up in and around the building, and remove from the premises and adjacent streets all rubbish and debris resulting from the execution of his contract.

#### CHARACTER OF WORK.

The entire work to be first class in every particular, executed by skilled workmen, and completed to the entire satisfaction of the Superintendent and the Supervising Architect.

James Knox Taylor,

Supervising Architect.



P R O P O S A L FOR THE FOUNDATION, SUPERSTRUCTURE AND ROOF COVER-  
ING OF THE U.S. MINT BUILDING AT D E N V E R , COLO.

C. (COPY)

January 22d, 1898.

To the,  
Supervising Architect,  
Treasury Department,  
Washington, D.C.

Sir:-

I  
-----hereby propose to furnish all labor and material requir-  
ed for the foundation, superstructure, and roof covering of the U.S.  
Mint building, DENVER, COLO., in strict accordance with drawings, Nos  
1, 2, 3, 4, 4 1/2, 5, 5 1/2, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 31, 32,  
33, 34, 35, 36, 37, 38, miscellaneous drawing # 126-A, this specifica-  
tion and such other drawings, models, and details as may be furnished  
for the sum of:--

Two hundred forty-seven thousand eight

hundred seventy-four dollars 09/100

(\$ 247,374.09 )

Name and Location of Red Granite Quarry-  
Plat Canon, Colorado.

Names of buildings in which the granite has been used:-

1 Mausanic Temple, Denver Colo.

2 Equitable Building " "

3 California Building " "

Name and Location of Gray Granite Quarry-

J.A. McIntyre, Fremont County, Colorado.

Names of buildings in which the granite has been used:-

1 Colorado State Cap

2 No. 1611 Tremont St. Denver, Colorado.

3 Hotel Pueblo

Name and Location of the Marble Quarry,  
Salida, Colorado.

TOTAL amount of bid, using red sandstone for  
superstructure, in lieu of gray granite:--

Two hundred, Two thousand eight hundred

seventy-two dollars

(\$ 202,872.00)

Name and Location of Sandstone Quarry:--  
Ft. Collins, Colorado.



Names of buildings in which Sandstone has been used:-

Ft. Collins School Building

1 -----

2 -----

3 -----

PRICE per cu.yd. for additional trench  
excavation, including shoring, pumping &c.--

One dollar

----- (\$ 1.00 )

PRICE per cu.yd. for additional column pit excavation  
including shoring, pumping &c.--

One dollar

----- (\$ 1.00 )

PRICE per cu.yd. for concrete footings:--

Nine dollars

----- (\$ 9.00 )

PRICE per cu.ft. for plain granite facing of  
superstructure in place:--

Two dollars 70/100

----- (\$ 2.70 )

PRICE per cu.ft. for plain sandstone facing of  
superstructure in place:--

Two dollars 30/100

----- (\$ 2.30 )

PRICE per M for common brick work in place:--

Fourteen dollars

----- (\$ 14.00 )

PRICE per sq.ft. for the brick floor arches (double)  
in place, with concrete filling:--

Twenty cents

----- (\$ 0.20 )

PRICE per sq.ft. for terra cotta floor arches in place:--

Twenty-five cents

----- (\$ 0.25 )

PRICE per sq.ft. for terra cotta book tile in place,  
on roof, with cement coating over same:--

Fifteen cents

----- (\$ 0.15 )

PRICE per sq.ft. for 6" thick terra cotta partitions  
in place:--

Fifteen cents

----- (\$ 0.15 )



PRICE per sq.ft. for double terra cotta partitions  
in place:--

Forty cents -----(\$ 0.40 )

PRICE per sq. for Spanish roofing tile in place:--

Twenty-two cents -----(\$ 0.22 )

PRICE per lb. for steel beams, column plate girders, &c.--  
in place:--

Three cents -----(\$ 0.03 )

NAME or Brand -of Portland cement:-

Utah Portland Cement  
-----

Fifteen months (15)

Time to complete -----

John A. McIntyre

Signature -----

#1305 South 8th St. Denver, Colorado.

Address -----

NAMES of Individual Members of Firm:--

-----

-----

Name of Corporation

Name of Secretary,

-----

Name of President

Under what law corporation  
is organized

-----



C. (COPY)  
Enclosure.

J.C.P. G. W.P.F.  
B.

TREASURY DEPARTMENT,  
OFFICE OF THE SECRETARY,  
Washington, D.C., March 29, 1898.

Mr. John A. McIntyre,  
1305 South 8th Street,  
Denver, Colorado.

Sir:

In accordance with the approval of this Department, your proposal, dated January 22, 1898, received under advertisement dated December 31, 1897 and opened January 28, 1898, to furnish all the labor and material required for the foundation, superstructure and roof covering, of the U.S. Mint Building at Denver, Colorado, in strict accordance with drawings numbers 1, 2, 3, 4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 31, 32, 33, 34, 35, 36, 37, 38, miscellaneous drawing number 126-A, the specification, and such other drawings, models and details as may be furnished, for the sum of two hundred and forty-seven thousand eight hundred and seventy-four dollars and nine cents (\$247,874.09) is hereby accepted, it being understood that Flat Canon Colorado red granite, and J.A. McIntyre Fremont County Colorado gray granite shall be used in the work, in accordance with the samples submitted by you and on file in the office of the Supervising Architect.

I transmit herewith, under another cover, one set of the drawings and specification for the work, for the use of your workmen.

Please forward to the Supervising Architect duplicate samples of the granites above named, and, also, samples in duplicate of all the materials you propose to use in the work.

It is understood and agreed that the entire work must be completed within fifteen (15) months from the date of the approval of your formal bond by the Secretary of the Treasury, and you are requested to communicate with Mr. Lee Ullery, the superintendent of construction of the building named, and arrange for the commencement and prosecution of the work immediately upon the approval of your bond, of which you will be duly advised.

It is understood and agreed that you are required to execute a formal contract, with bond in the sum of one hundred and twenty-four thousand dollars (\$124,000.00), as a guarantee for the faithful performance of the work embraced in your proposal, a form for which will be sent you for execution, and return to this Department for examination, approval and file; and it is understood and agreed, also, that the said contract, with bond, must be executed and returned within five (5) days from the date of the receipt by you of the said form.

The certified check, which accompanied your proposal, will be retained until the approval of your bond by the Secretary of the Treasury.

Please promptly acknowledge the receipt of this letter, a copy of which has been forwarded to the superintendent of construction of the building named, for his guidance.

Respectfully, yours,

J.C.P.  
B.  
J.S.C.

O. L. SPANBING,

Assistant Secretary.

L. G.E.K. J.K.T.



# CONTRACT

BETWEEN THE

## UNITED STATES OF AMERICA

AND

John A. McIntyre,  
Denver, Colorado,

Whereas, By advertisement duly made and published according to law, proposals were asked for furnishing all of the labor and materials required for the work herein provided for,

Whereas, the proposal of John A. McIntyre, furnished in response thereto, was duly accepted on the twenty-ninth day of March, 1898, on condition that he execute a contract in accordance with the terms of his bid.

Now, therefore, this agreement, made and entered into by and between L. J. Gage, Secretary of the Treasury, for and in behalf of the United States of America, of the first part, and John A. McIntyre of the city of Denver, county of Arapahoe, State of Colorado, of the second part,

Witnesseth: That the party of the second part for the consideration hereinafter mentioned, covenants and agrees to and with the party of the first part to furnish all of the labor and materials and do and perform all the work required for the foundation, superstructure and roof covering of the Mint building in the city of Denver, county of Arapahoe, State of Colorado, using in said work, Flat Canyon Colorado red granite and J. P. McIntyre Shemont County Colorado gray granite,

in strict and full accordance with the requirements of drawings numbered 1, 2, 3, 4, 4 1/2, 5, 5 1/2, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 31, 32, 33, 34, 35, 36, 37, 38, miscellaneous drawing numbered 126-a models,

and such other detail drawings as may be furnished to the party of the second part by the Supervising Architect of the United States Treasury Department; the advertisement for proposals, dated December 31, 1897; "General Instructions and Information;" the specification for the work; the proposal dated January 22, 1898, addressed to the said Supervising Architect by the said party of the second part; and letter dated March 29, 1898, addressed to the said party of the second part by O. L. Spaulding, Assistant Secretary of the Treasury, accepting said proposal;

a true and correct copy of each of which said papers is attached hereto and forms a part of this contract; and which said numbered drawings, bearing the signature of the said Supervising Architect and the signature of the said party of the second part, are on file in the Office of the Supervising Architect of the United States Treasury Department, and are hereby made a part of this contract.



1 And the said party of the second part further covenants and agrees that all of the materials used shall be of the very best quality  
2 that all of the work performed shall be executed in the most skillful and workmanlike manner; and that both the materials used and  
3 the work performed shall be to the entire and complete satisfaction of the said Supervising Architect.

11 It is further covenanted and agreed that the entire work shall be completed within fifteen (15) months

12 from the date of the approval of the bond hereto attached;

13 that any particular portion of the work herein provided for shall be completed within such reasonable time as may be hereafter  
14 definitely specified by the said party of the first part in written notice to the said party of the second part; and that should the said  
15 party of the second part fail to complete the entire work or any particular portion of the work within the time so specified, then the  
16 said party of the second part shall forfeit to the said party of the first part twenty (\$20.00) dollars  
17 per diem, as liquidated damages, for each and every day thereafter until the completion of the same; provided, that if, through any  
18 fault of the party of the first part, the party of the second part is delayed in the execution of the work included in this contract, the  
19 party of the second part shall be allowed one day additional to the time above stated for each and every day of such delay so caused,  
20 the same to be ascertained by the Supervising Architect; provided, further, that no claim shall be made or allowed for damages which  
21 may arise out of any delay caused by the party of the first part.

22 The party of the second part further covenants and agrees to hold and save the United States harmless from and against all and  
23 every demand, or demands, of any nature or kind, for, or on account of, the use of any patented invention, article, or appliance,  
24 included in the materials hereby agreed to be furnished under this contract.

25 It is further covenanted and agreed by and between the parties hereto that the said party of the second part will, at his  
26 own expense, comply with all municipal building ordinances and regulations, in so far as the same are binding upon the United States,  
27 and obtain all required licenses and permits, and be responsible for all damages to person or property which may occur in connection  
28 with the prosecution of the work; that all work called for by the drawings and specifications, though every item be not particularly  
29 shown on the first or mentioned in the second, shall be executed and performed as though such work were particularly shown and  
30 mentioned in each, respectively, unless otherwise specifically provided; that all materials and work furnished shall be subject to the  
31 approval of the said Supervising Architect; and that said party of the second part shall be responsible for the proper care and  
32 protection of all materials delivered and work performed by him until the completion and final acceptance of same.

33 It is further covenanted and agreed by and between the parties hereto that the said party of the second part will make any  
34 omissions from, or additions to, the work or materials herein provided for whenever required by said party of the first part; the  
35 valuation of such work and materials, if not agreed upon, to be determined on the basis of the contract unit of value of material and  
36 work referred to; or, in the absence of such unit of value, on prevailing market rates; which market rates, in case of dispute, are to  
37 be determined by the said Supervising Architect, whose decision with reference thereto shall be binding upon both parties; and that no  
38 claim for damages, on account of such changes or for anticipated profits, shall be made or allowed.

39 It is further covenanted and agreed that no claim for compensation for any extra materials or work is to be made or allowed,  
40 unless the same be specifically agreed upon in writing or directed in writing by the party of the first part; and that no addition to, or  
41 omission from, the work herein specifically provided for shall make void or affect the other provisions or covenants of this contract,  
42 but the difference in the cost thereby occasioned, as the case may be, shall be added to or deducted from the amount of the contract;  
43 and, in the absence of an express agreement or provision to the contrary, no addition to, or omission from, the work herein specifically  
44 provided for shall be construed to extend the time fixed herein for the final completion of the work.

45 It is further covenanted and agreed by and between the parties hereto that all materials furnished and work done under  
46 contract shall be subject to the inspection of the Supervising Architect, the superintendent of the building, and of other inspectors  
47 appointed by the said party of the first part, with the right to reject any and all work or material not in accordance with this contract;  
48 and the decision of said Supervising Architect as to quality and quantity shall be final. And it is further covenanted and agreed by  
49 and between the parties hereto that said party of the second part will at his expense, within a reasonable time to be specified by  
50 the Supervising Architect, remedy or remove any defective or unsatisfactory material or work; and that, in the event of his failure  
51 immediately to proceed and faithfully continue so to do, said party of the first part may have the same done and charge the cost  
52 thereof to the account of said party of the second part.

53 It is further covenanted and agreed by and between the parties hereto that until final inspection and acceptance of, and payment  
54 for, all of the material and work herein provided for, no prior inspection, payment or act is to be construed as a waiver of the right of  
55 the party of the first part to reject any defective work or material or to require the fulfillment of any of the terms of the contract.



1 It is further covenanted and agreed by and between the parties hereto that if the said party of the second part shall fail to  
2 complete the work herein contracted for, or any part thereof, in accordance with this agreement within the time herein provided for, or  
3 shall fail to prosecute said work with such diligence as in the judgment of the party of the first part will insure the completion of the  
4 said work within the time hereinbefore provided, the said party of the first part may withhold all payments for work in place until  
5 final completion and acceptance of same, and is authorized and empowered, after eight days' due notice thereof in writing, served per-  
6 sonally upon or left at the shop, office, or usual place of abode of the said party of the second part, or with his agent, and the  
7 said party of the second part having failed to take such action within the said eight days as will, in the judgment of the said party  
8 of the first part, remedy the default for which said notice was given, to take possession of the said work in whole or in part and of all  
9 machinery and tools employed thereon and all materials belonging to the said party of the second part delivered on the site, and, at the  
10 expense of said party of the second part, to complete or have completed the said work, and to supply or have supplied the labor,  
11 materials, and tools, of whatever character necessary to be purchased or supplied by reason of the default of the said party of the  
12 second part; in which event the said party of the second part shall be further liable for any damage incurred through such  
13 and any and all other breaches of this contract.

14 And the said party of the first part, acting for and in behalf of the United States, covenants and agrees to pay, or cause to be  
15 paid, unto the said party of the second part, or to his heirs, administrators, or executors

16  
17 in lawful money of the United States, in consideration of the herein recited covenants and agreements made by the party of the second  
18 part, the sum of Two hundred forty seven thousand, eight hundred seventy four dollars  
19 and nine cents (247,874.09)

20  
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28 And the party of the first part covenants and agrees that payments will be made in the following manner, viz: ninety (90)  
29 per cent (nine (9) tenths) of the value of the work executed and actually in place, to the satisfac-  
30 of the party of the first part, will be paid from time to time as the work progresses (the said value to be ascertained by the party of the  
31 first part), and ten (10) per cent (one (1) tenth) thereof will be retained until the completion of the entire work, and the  
32 approval and acceptance of the same by the party of the first part, which amount shall be forfeited by said party of the second part in  
33 the event of the nonfulfillment of this contract; it being expressly covenanted and agreed that said forfeiture shall not relieve the party  
34 of the second part from liability to the party of the first part for any and all damages sustained by reason of any breach of this contract.

35 It is an express condition of this contract that no Member of Congress, or other person whose name is not at this time disclosed,  
36 shall be admitted to any share in this contract, or to any benefit to arise therefrom; and it is further covenanted and agreed that this  
37 contract shall not be assigned.

38 In witness whereof, The parties hereto have hereunto subscribed their names this  
39 Twenty ninth day of March A. D. 1898.

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41  
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46

All erasures, alterations, and interlineations  
to be noted here before execution.

We hereby certify that this contract and bond have been correctly prepared and compared:

Gas A. Wetmore  
Chief of the Law and Records Division.  
James C. Grant  
Chief of the Computer's Division.

L. J. Gage  
Secretary of the Treasury.  
J. A. W.  
C. E. H.

Witnesses to the signature of the Contractor:

L. N. Hawkins  
S. J. Lunsance

John A. McIntyre  
Contractor.

Two witnesses.



BOND.

Know all men by these presents, That we, John A. Mc Intyre

of the City of Denver, County of Arapahoe and  
State of Colorado, principal, and The United States Fidelity & Guaranty Company  
of the City of a corporation created, County of Existing under the label of the and  
State of Maryland, and  
of the City of, County of and  
State of, sureties, are held and firmly bound unto the United States of America in  
the sum of One hundred twenty four thousand (124,000<sup>00</sup>) dollars, lawful  
money of the United States, for the payment of which, well and truly to be made to the United States, we bind ourselves, our heirs,  
executors, and administrators, jointly and severally, firmly by these presents.

Sealed with our seals and dated this eleventh day of April  
A. D. 1898.

The condition of the above obligation is such, That whereas the said John A. Mc Intyre

has entered into a certain contract, hereto attached, with L. J. Cage  
Secretary of the Treasury, acting for and in behalf of the United States, bearing date the twenty-ninth  
day of March, A. D. 1898: Now, if the said John A. Mc Intyre

shall well and truly fulfill all the covenants and conditions of said contract, and shall perform all the undertakings therein stipulated by  
him to be performed, and shall well and truly comply with and fulfill the conditions of, and perform  
all of the work and furnish all the labor and materials required by, any and all changes in, or additions to, said contract which may  
hereafter be made, and shall perform all the undertakings stipulated by him to be performed in any and all such changes  
in, or additions thereto, notice thereof to the said sureties being hereby waived, and shall promptly make payment to all persons  
supplying him labor or materials in the prosecution of the work contemplated by said contract, then this obligation to be void;  
otherwise to remain in full force and virtue.

In testimony whereof, The said John A. Mc Intyre

, principal, and The United States Fidelity & Guaranty Company  
, and  
, sureties,

have hereunto subscribed their hands and affixed their seals the day first above written.

In line 13 on this page the words "executors and assigns" were interlined before the execution hereof

Signed, sealed, and delivered in presence of—

W. W. Hawkins  
L. D. Linnance

Chas. J. Banks } as to E. W. J.  
H. A. Rice } Linnance  
2nd Vice Pres.

John A. Mc Intyre  
The United States Fidelity & Guaranty Company  
Edw. J. Pennington  
2nd Vice President  
Arthur C. Pierce  
Asst. Secy.

Two witnesses to each signature

in office and  
default  
[SEAL]





1 STATE OF

2 COUNTY OF

3 Personally appeared before me, a

4 said , the said

5

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7

8

9 who signed the above obligation, and who made solemn oath that they are each worth

10 over and above their just debts and legal liabilities.

11 SWORN TO AND SUBSCRIBED as above written, before me

12 this day of , 189

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Office of the U. S.

25

DISTRICT OF

26

27 I hereby Certify That

28

29 the sureties who have signed the foregoing bond, are known to me as residents of

30

, and citizens of the United States, and are amply suffic

31 security for the amount thereof, and that the bond is good.

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of the Treas

Magistrate's signature.









Mint, at Denver, Colorado", and addressed to the Supervising Architect.

=====

N.B.

The regulations of the Department strictly prohibit the consideration of bids received after the time stated for opening in the advertisement. Bidders are, therefore, requested to allow ample time for the transmission of their bids by mail. Registered letters usually reach this office at least 24 hours behind the regular mail.

All proposals received after the time stated for opening will be returned to the bidders.

=====



DEPARTMENT OF JUSTICE,

Washington, D.C.,

March, 8, 1897.

The annexed is a true copy of an original authorization to do business, issued by the Attorney General under the Act of Congress approved August 13, 1894. Witness my hand and the seal of the Department.

David D. Caldwell.

NOW, THEREFORE, The said UNITED STATES FIDELITY AND GUARANTY COMPANY is hereby granted authority to do business under said Act in said State of Maryland and is also granted authority to do business under said Act beyond the limits of said State in any Judicial District of the United States in which it shall first have appointed an agent conformably to the provisions of Section 2 of said Act.

Holmes Conrad,

Acting Attorney Genl.

DEPARTMENT OF JUSTICE,

WASHINGTON, D.C., September 25, 1896.


SEAL.



DEPARTMENT OF JUSTICE,

Washington, D.C.,

March, 8, 1897.



The annexed is a true copy of an original authorization to do business, issued by the Attorney General under the Act of Congress approved August 13, 1894. Witness my hand and the seal of the Department.

David D. Caldwell.



( COPY )

FORM OF AFFIDAVIT, ACKNOWLEDGMENT, AND JUSTIFICATION BY  
GUARANTEE OR SURETY COMPANY.

STATE OF MARYLAND,

CITY OF BALTIMORE. SS.

On this 18th day of April, one thousand eight hundred and ninety eight, before me personally came EDW. J. PENNIMAN KNOWN to me to be the 2nd Vice President of THE UNITED STATES FIDELITY AND GUARANTEE COMPANY, the corporation described in and which executed the annexed bond of JOHN A. MCINTYRE, as surety thereon, and who, being by me duly sworn, deposes and says that he resides in the City of Baltimore, State of Maryland, that he is the 2nd Vice President of said UNITED STATES FIDELITY AND GUARANTY COMPANY, and knows the corporate seal thereof; that said company is duly and legally incorporated under the laws of the State of Maryland; that said company has complied with provisions of the Act of Congress of August 13, 1894, allowing certain corporations to be accepted as surety on bonds; that the seal affixed to the annexed bond (Form -----) of ----- John A. McIntyre ----- is the corporate seal of said THE UNITED STATES FIDELITY and GUARANTY COMPANY, and was thereto affixed by order and authority of the Board of Directors of said company; and that he signed his name thereto by like order and authority as 2nd Vice President of said company; and that he is acquainted with ARTHUR C. PIERCE and knows him to be the Ass't Secretary of said company; and that the signature of said ARTHUR C. PIERCE subscribed to said bond is in the genuine handwriting of said ARTHUR C. PIERCE and was thereto subscribed by order and authority of said Board of Directors, and in the presence of said deponent; and that the assets of said company, unincumbered and



liable to execution, exceed its claims, debts and liabilities, of every nature whatsoever, by more than the sum of Nine Hundred Thousand Dollars, (\$900,000).

Edwd J. Penniman

(Deponent's Signature.) 2nd Vice-Pres.

S e al.

Sworn to, acknowledged before me, and subscribed in my presence this 18th day of April, 1898.

Edward B. Ambler

(Officer's signature, description and seal.)

Notary Public



Co py .

S T A T E M E N T  
OF

The United States Fidelity and Guaranty Company.

Commenced Business, August 31, 1896.

Rendered to the Department of Justice, Washington, D. C.,  
April 1st, A. D. 1898.

At the close of business March 31st, 1898.

## A S S E T S.

Investments, Stocks and Bonds, (cost value),	..	\$669,850	85
Collateral Loans,	. . . .	190,175	00
Real Estate,	. . . .	33,390	91
Loans Secured by Mortgage,	. . . .	20,000	93
Cash on Hand and in Bank, .	. . . .	157,241	57
Due for Premiums,	. . . .	58,403	98
Bills Receivable,	. . . .	18,318	47
Furniture and Fixtures,	. . . .	9,777	60
		<u>\$1,157,159</u>	31

## L I A B I L I T I E S.

Capital paid in Cash,	.	.	.	\$1,000,000	00
Cash on Deposit, held as security for risks				26,313	23
Surplus Fund,	.	.	.	74,000	00
Reserve Fund,	.	.	.	32,531	57
Income from Premiums and Interest	.	.	.		
Less Expenses and Losses, .	.	.	.	24,314	51
				<u>\$1,157,159</u>	<u>31</u>

GEO. R. CALLIS,  
Secretary.

JOHN R. BLAND,  
President.

STATE OF MARYLAND, )  
 ) SS.  
CITY OF BALTIMORE, )

On this 7th day of April, A.D. 1898, personally appeared John R. Bland and George R. Callis, to me personally known to be the President and Secretary respectively, of THE UNITED STATES FIDELITY AND GUARANTY COMPANY, who being by me duly sworn, did depose and say that they are such officers of THE UNITED STATES FIDELITY AND GUARANTY COMPANY, and that the foregoing financial statement of said The United States Fidelity and Guaranty Company, subscribed by them as such officers, is a true and correct statement taken from the books of the said Company.

Subscribed and sworn to before me this 7th day of April, A.D. 1898.

EDWARD B. AMBLER,  
Notary Public.

Notarial seal.



John A. McHenry, Foundlings, Superstition and East Sussex, 4/18/98



